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THE
GEORGE
WASHINGTON
UNIVERSITY

REPORT OF THE COMPTROLLER

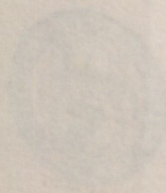
For the year ended August 31, 1930



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THE
GEORGE
WASHINGTON
UNIVERSITY

REPORT OF THE COMPTROLLER
For the year ended August 31, 1931



Report of the Comptroller

October 10, 1930.

THE BOARD OF TRUSTEES OF THE GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report, verified by R. G. Rankin and Company, Certified Public Accountants, showing in detail the financial operations of the University for the fiscal year ended August 31, 1930, and exhibiting the state of the Trust Funds, as required by the By-Laws of the University.

The Total Net Resources of the University as at August 31, 1930, were \$3,031,659.28, a gain for the year of \$503,361.96, as shown in the following summary of Assets and Liabilities:

COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1928-29 AND 1929-30

Assets

	1928-29	1929-30	Increase	Decrease	Net Increase
Cash, General Funds..	\$35,795.31	\$41,669.39	\$5,874.08		
Cash, Endowment Income.....	30,843.06	40,516.74	9,673.68		
Endowment and Trust Funds Assets.....	1,209,152.61	1,605,861.36	396,708.75		
Real Estate, exclusive of Endowment Funds.....	1,727,452.50	1,821,211.54	93,759.04		
Library Books.....	76,919.35	81,496.81	4,577.46		
Equipment.....	215,289.17	225,510.02	10,220.85		
Perpetual Insurance Deposits.....	1,406.25	1,406.25			
Advanced to University Stores.....	6,696.62	6,696.62			
Advanced to Duplicating Bureau.....		1,468.31	1,468.31		
Interest in Sherman Avenue Property...		2,675.10	2,675.10		
Temporary Investments.....	14,250.00	102,400.00	88,150.00		
	<u>\$3,317,804.87</u>	<u>\$3,930,912.14</u>	<u>\$613,107.27</u>		<u>\$613,107.27</u>

Liabilities

Trust Notes Payable..	\$442,500.00	\$406,370.00		\$36,130.00	
Temporary Loans Payable.....		150,000.00	\$150,000.00		
Prepaid Tuition.....	10,126.00	8,528.50		1,597.50	
Income Reserved for Specific Purposes...		992.80	992.80		
Liability to Endowment Funds.....	336,881.55	333,361.56		3,519.99	
	<u>\$789,507.55</u>	<u>\$899,252.86</u>	<u>\$150,992.80</u>	<u>\$41,247.49</u>	<u>\$109,745.31</u>
Total Net Resources.....	\$2,528,297.32	\$3,031,659.28			
Increase of Net Resources 1929-30....	503,361.96				

REPORT OF THE COMPTROLLER

Endowment and Trust Funds were increased during the year \$396,708.75 as follows: Alumni Endowment Fund, \$125.00; 1923-24 Campaign Fund, \$3,091.90; Scottish Rite Endowment Fund, \$150,000.00; Addie Sanders Scholarship Fund, \$245,370.22; The Lillian Young Herron Scholarship Fund, \$1,000.00; Lewis Medical School Fund, \$300.00; Ordronaux Prize Fund, \$237.50; Denman Law School Fund, \$109.58; Jacques Law School Fund, \$394.56; Jacques Medical School Fund, \$260.07; Mayer Hospital Fund, \$341.61; LaFayette Memorial Fund, \$97.92; Maury Memorial Fund, \$98.53; Swisher Book Fund, \$8.67; D. of C., D. A. R. Loan Fund, \$180.47; Plumbing and Heating Institute Fund, \$422.88; School of Pharmacy Equipment Fund, \$4,824.32; Engineering Club Room Fund, \$13.75; G. W. U. Student Loan Fund, \$1,393.34; Reserve for the Protection of Investments, \$1,017.47; Publications Fund, \$10.00; Harris Prize Fund, \$50.00; Law School Building Fund, \$12.77; National League of Masonic Clubs, \$7,000.00; General Building Fund, \$3,396.62; Chemistry Building Fund, \$9.03; Class of 1929 Women's Unit No. 3 Fund, \$12.31; Unit No. 3 Fund, \$1,948.19; Medical Building Fund, \$5.75, a gross increase of \$421,732.46; from which was deducted a decrease of \$125.00 in the Chapman Hospital Endowment Fund and a decrease in Executory Trust Funds as follows: Administrative Reserve Fund, \$11,517.51; Guggenheim Fund for the Promotion of Aeronautics, \$2,000.00; Addie Sanders Hospital Fund, \$861.21; Endowment Restoration and Accretion Fund, \$3,519.99, a total decrease of \$25,023.71.

New Trust Funds (included in the preceding paragraph) were received as follows: Addie Sanders Scholarship Fund, \$245,370.22; Publications Fund, \$10.00; Harris Prize in Architecture Fund, \$50.00.

Real Estate used for educational purposes is valued at \$1,821,211.54, an increase of \$93,759.04. The increase is accounted for as follows:

Purchase of 712 20th Street, N. W.....	\$14,295.10
Purchase of 718 20th Street, N. W.....	20,063.25
Purchase of 715 21st Street, N. W.....	12,065.75
Purchase of 2016 H Street, N. W.....	14,053.60
Purchase of 2102 G Street, N. W.....	13,051.60
Balance Purchase of 716 20th Street, N. W.....	6,498.41
Improvements School of Pharmacy Building.....	2,416.37
New Mechanical Laboratory Building..	11,314.96
	<hr/>
	\$93,759.04

Property under lease used for educational purposes:

2022 G Street, at \$1800 per annum
714 20th Street, at \$1020 per annum

Temporary Investments of General Funds were increased \$88,150.00 for the reason that instead of liquidating these investments as the need for additional cash arose, the investments were maintained and the necessary cash was obtained by short term borrowing.

Notes Payable secured by mortgages in the amount of \$406,370.00 are outstanding against the General Funds of the University, a decrease over the previous year of \$36,130.00.

Temporary loans secured at the Riggs National Bank amounted to \$150,000.00. Of this sum \$100,000.00 was used to restore the working capital of the General Funds because of the non-liquidation of temporary investments purchased from the General Funds during the year. The balance of \$50,000 being used to pay off maturing Real Estate Notes. Interest is at the rate of 5%.

GENERAL ACCOUNTS

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Notes Payable against the Lewis Endowment Fund amount to \$45,000. The property bequeathed by Dr. Samuel E. Lewis is valued at \$148,304.15. To clear the estate and enable the Executor to transfer the property to the University, the Board of Trustees authorized the placing of the \$45,000.00 mortgage, leaving a net valuation of the Lewis Endowment Fund of \$103,304.15.

The Liability of the University to the University Endowment Funds was reduced from \$336,881.55 to \$333,361.56 during the year, a decrease of \$3,519.99. This was accomplished by using the proceeds of the Endowment Restoration and Accretion Fund for that purpose.

Laboratory Equipment and Furniture are valued, after depreciation, at \$225,510.02, an increase of \$10,220.85.

Books in the Libraries are valued, after depreciation, at \$81,496.81, an increase of \$4,577.46.

Equipment transferred from General Funds to the University Duplicating Bureau amounted to \$1,468.31.

The equity of the University in property on Sherman Avenue, N. W., adjoining Garfield Hospital, was increased \$2,675.10 because of a payment of that amount to the Collector of Taxes, District of Columbia.

Contributions other than those reported under Trust Fund increases were received during the year as follows: For prizes, \$160.00; for books, \$1,005.00; for landscaping in front of Lisner Hall, \$260.00; for salary of Alumni Secretary, \$100.00; for special investigation in Psychology, \$1,000.00; a total of \$2,525.00.

Accounts Receivable from students amount to \$5,173.67 or .00565 per cent of the total student charges at the close of the fiscal year, August 31, 1930, the lowest deficiency ever reported.

Cash Receipts and Payments for the fiscal year are summarized as follows:

Cash on Hand, August 31, 1929 . . .	\$22,329.31	
Cash Received 1929-30	1,224,169.15	\$1,246,498.46
Disbursements		1,209,369.07
Cash on Hand, August 31, 1930		<u>\$37,129.39</u>

A statement in detail of Cash Receipts and Payments for the fiscal year is shown in Schedule "N" of this report.

CHARLES W. HOLMES,
Comptroller.

Certificate of the Auditor

January 26, 1931

We have examined the books of the GEORGE WASHINGTON UNIVERSITY and made the usual verification of Assets and Liabilities and reviewed the general accuracy of the Revenue and Expense accounts.

Cash was verified by actual count or by certificates from the Depositories and Securities and notes by inspection. Additions to Land, Buildings and Equipment were examined and found to be proper charges thereto. Trust Notes Payable were verified by letter from the holders thereof or by documents pertaining thereto.

We hereby certify that, in our opinion, the annexed Balance Sheet, as compiled from the accounts of the University reflects the true financial condition of the GEORGE WASHINGTON UNIVERSITY as at August 31, 1930 and that the relative Revenue Account states the Net Revenue for the year ended on that date and that the Statement of Cash Receipts and Payments summarizes the Cash Transactions for the year ended August 31, 1930.

R. G. RANKIN & Co.,
Certified Public Accountants.

GENERAL ACCOUNTS

SCHEDULE "A."—BALANCE SHEET.

As at August 31, 1930.

Trust Funds and Investments.

Assets.		Liabilities.	
Investments:		Trust Funds:	
General Endowment Funds, Schedule "Q".....	\$1,518,883.81	General Endowment Funds, Schedule "Q".....	\$1,485,197.83
Cash on Hand Awaiting Investment, August 31, 1930.....	11,314.02	Trust Notes Payable—Lewis Properties.....	45,000.00
Executory Trust Funds, Schedule "Q".....	\$1,530,197.83	Executory Trust Funds, Schedule "P".....	\$1,530,197.83
Cash on Hand Awaiting Investment, August 31, 1930.....	\$112,516.57		120,663.53
		Unexpended Income, Specific Endowment Funds, Schedule "R".....	\$1,650,861.36
			40,516.74
Cash on Hand, Unexpended Income, August 31, 1930.....	\$1,650,861.36		
	40,516.74		
	<u>\$1,691,378.10</u>		
			<u>\$1,691,378.10</u>
General Funds.		General Funds.	
Plant Assets:		Trust Notes Payable.....	\$406,370.00
Land, Educational and Miscellaneous Buildings.....	\$1,821,211.54	Medical School Fees Paid in Advance.....	8,628.50
Equipment.....	225,510.02	Liability to Endowment Funds Principal Secured by Deed of Trust dated December 1, 1910 on Medical and Hospital Lands and Buildings, 1335-39 and 1341 H St., N. W.....	319,910.24
Library Books.....	\$1,496.81		
	<u>\$2,128,218.37</u>		

GENERAL ACCOUNTS

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Interest in Sherman Avenue Property.....	2,675.10	
Withdrawal Value of Perpetual Insurance.....	1,406.25	
Loan Account—University Stores.....	6,696.62	
Equipment Advanced to Duplicating Bureau.....	1,468.31	
Temporary Investments of General Funds.....	102,400.00	
Cash:		
On Deposit.....	\$37,129.39	
Petty Cash Fund.....	4,940.00	
	<hr/>	
	41,669.39	
	<hr/>	
	\$2,284,534.04	

Liability to Executory Trust Funds Principal:		
To Denman Fund—Secured by General Property of the University.....		7,179.32
Liability to Endowment Funds Income:		
To Specific Endowment Fund Income which was applied to current expenses prior to August 31, 1910.....		6,272.00
Loans Payable—Riggs National Bank.....		150,000.00
Deferred Income—Reserved for Specific Purposes.....		992.80
Surplus—Schedule "B".....		1,385,281.18
		<hr/>
		\$2,284,534.04

REPORT OF THE COMPTROLLER

SCHEDULE "B."

ANALYSIS OF SURPLUS ACCOUNT.

For the Year Ended August 31, 1930.

Surplus—August 31, 1929..... \$1,288,301.65

Additions:

1927-28 Cherry Tree Cash Balance.....	\$76.39	
Old Hospital Cash Balance.....	302.66	
Reimbursement for cash advanced to Hospital during the year of 1929.....	6,473.67	
Expended portion of gift of Mrs. Depew used for purchase of library books.....	400.00	
Contributions and Donations.....	365.00	
Executory Trust Funds Principal:		
For Purchase of X-Ray Equipment at University Hospital.....	1,507.55	
For Reduction of Notes Payable on Real Estate.....	3,500.00	
For Purchase of Real Estate.....	43,416.11	
For Reduction of Liability of G. W. U. to Endowment Funds Principal.....	1,519.99	
Net Income of The University for the year ended August 31, 1930 transferred from Revenue Account, Schedule "C".....	98,691.70	158,253.07
		<u>\$1,446,554.72</u>

Deductions:

Transferred to Administrative Reserve Fund.....	\$36,579.31	
Depreciation on Books and Equipment...	24,694.23	61,273.54
Surplus—August 31, 1930, Schedule "A".....		<u><u>\$1,385,281.18</u></u>

SCHEDULE "C."

REVENUE ACCOUNT.

For the Year Ended August 31, 1930.

Income:

Columbian College, Schedule "D".....	\$85,193.50	
The School of Medicine, Schedule "F".....	5,711.21	
The Law School, Schedule "G".....	35,726.30	
The School of Engineering, Schedule "H"...	13,366.88	
The Graduate School of Letters and Sciences, Schedule "E".....	27,061.93	
The School of Pharmacy, Schedule "I".....	6,841.43	
The School of Education, Schedule "J".....	14,455.66	
The Division of Library Science, Schedule "K".....	4,883.34	
The Summer Sessions, Schedule "M".....	19,509.40	
Total Income from Schools.....		\$212,749.65

GENERAL ACCOUNTS

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The Division of Fine Arts, Net Loss, Schedule "L" . . . \$1,471.38

Net Income from Schools . . . \$211,278.27
 Fees—Previous Years . . . 1,921.99
 University Fees . . . 67,513.84
 Graduation Fees . . . 8,685.00
 Endowment Funds Income for General Purposes, Schedule "R" . . . 24,951.60

Other Income:

Rent Income, 712 20th Street, N. W. . . . \$352.40
 Rent of Fraternity Rooms . . . 2,183.50
 Interest on Bank Deposits . . . 1,947.12
 Interest on Temporary Investments . . . 979.43
 Student Activities . . . 8,691.24
 Reappropriations . . . 64.24
 Discount Received . . . 1,578.70
 Purchase Refunds . . . 671.82
 Phone Tolls . . . 115.01
 Use of Corcoran Hall . . . 114.00
 Sales of Waste Materials . . . 17.02
 Glee Club Expense Refunded . . . 75.00
 Miscellaneous . . . 49.85 16,839.33

Total Income Forward . . . \$331,190.03

Expense:

General Administration . . . \$73,935.26
 Comptroller's Department . . . 39,371.44
 Office of The Registrar . . . 32,449.48
 University Libraries . . . 14,223.20
 Personnel Department . . . 3,491.89
 Health Administration . . . 5,691.50
 Physical Education for Women . . . 11,193.04
 Physical Education for Men . . . 39,018.25
 Student Activities . . . 13,124.27

Total Expense . . . \$232,498.33

Net Income for Year of 1929-30, transferred to Surplus—
 Schedule "B" . . . \$98,691.70

SCHEDULE "D."

COLUMBIAN COLLEGE
INCOME AND EXPENSE

For the Year Ended August 31, 1930.

Income.

Student Fees:

Columbian College . . . \$349,528.35
 The School of Government . . . 15,067.81

\$364,596.16

Endowment Funds Income:

Columbian College:

Guggenheim Fund for the Promotion of Aeronautics.	\$236.66
Elton Fund.....	238.96

The School of Government:

National League of Masonic Clubs.....	382.33
The Scottish Rite Endow- ment Fund.....	10,648.32

\$11,506.27

Executory Trust Funds Principal:

Columbian College:

Guggenheim Fund for the Promotion of Aeronautics.	\$1,809.70
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The School of Government:

National League of Masonic Clubs.....	7,000.00
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8,809.70

For Special Investigation in Psychology.....

797.50

\$385,709.63*Expenses.*

Administration:

Operation:

Salaries.....	\$4,780.00
Office Expense.....	32.56
Stationary, Printing and Postage.....	218.36
Proctors.....	193.50
Scholarships.....	1,152.02
	<hr/> 6,376.44

Maintenance:

Distributive Share.....	57,830.55
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Instruction:

Operation:

Salaries.....	\$219,512.50
Salaries—Special Courses...	4,128.75
Office Expense.....	213.81
Laboratory Supplies.....	10,160.91
Stationery, Printing and Postage.....	1,073.26
Aeronautics.....	9.70
Research.....	797.50
Casts.....	99.40
	<hr/> 235,995.83

Maintenance:

General.....	\$4.70
Renovating Chemistry Lab- oratory.....	308.61
	<hr/> 313.31

300,516.13Net Income, transferred to Revenue Account, Schedule "C" ..

\$85,193.50

GENERAL ACCOUNTS

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SCHEDULE "E."

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES.
INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$36,062.94	
Sanders Fund—Fellowships.....	1,526.00	
	<u> </u>	\$37,588.94

Expenses.

Administration:		
Operation:		
Salaries.....	\$1,300.00	
Stationery, Printing and		
Postage.....	67.96	
Maintenance.....	9,119.05	
	<u> </u>	\$10,487.01
Instruction:		
Operation:		
Salaries.....	40.00	
	<u> </u>	10,527.01
Net Income, transferred to Revenue Account, Schedule "C" ..		<u><u>\$27,061.93</u></u>

SCHEDULE "F."

THE SCHOOL OF MEDICINE.
INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$112,079.36	
Endowment Income:		
Sharpe Medical School Fund..	\$459.42	
Cooper Medical Research Fund	180.12	
Lewis Medical School Fund...	4,938.11	
Gardner Medical School Fund.	225.00	
	<u> </u>	5,802.65
	<u> </u>	\$117,882.01

Expenses.

Administration:		
Dean's Office:		
Operation:		
Salaries.....	\$7,200.00	
Advertising and Dues....	404.79	
Stationery, Printing and		
Postage.....	709.81	
Reprints.....	298.50	
Travel.....	702.20	
Faculty Scholarships....	465.50	
Clinical Instruction Charge	2,551.50	
Hospital Instructional		
Charge.....	15,000.00	
	<u> </u>	\$27,332.30

REPORT OF THE COMPTROLLER

Superintendent's Office:		
Operation:		
Salaries.....		\$2,100.00
Maintenance:		
Wages.....	\$3,990.00	
Heat and Light.....	2,720.68	
Insurance.....	3.75	
Repairs.....	1,161.95	
Supplies.....	2,149.08	
		10,025.46
Museum:		
Operation:		
Salaries.....	\$1,400.00	
Supplies.....	488.06	
		1,888.06
Maintenance:		
Laboratory Assistants.....		600.00
Instruction:		
Operation:		
Salaries.....	\$59,753.20	
Laboratory Supplies.....	7,051.66	
Cooper Endowment Research.....	180.12	
		66,984.98
Maintenance:		
Dieters Wages.....		3,240.00
		112,170.80
Net Income, transferred to Revenue Account, Schedule "C"...		\$5,711.21

SCHEDULE "G."

THE LAW SCHOOL

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$113,297.31
Contributions for Prizes:	
Herrick Prize.....	25.00
Ellsworth Prize.....	25.00
	\$113,347.31

Expenses.

Administration:	
Operation:	
Salaries.....	\$3,754.14
Travel.....	373.10
Advertising.....	978.85
Stationery, Printing and Postage.....	901.35
Dean's Operating Fund.....	245.45
Faculty Scholarships.....	205.00
Office Expense.....	49.46
Proctoring.....	200.00
	\$6,707.35
Maintenance—Distributive Share.....	14,892.54

GENERAL ACCOUNTS

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Instruction:		
Operation:		
Salaries.....	\$55,600.00	
Stationery, Printing and		
Postage.....	371.12	
	<u>555,971.12</u>	
		77,571.01
Prizes.....		50.00
		<u>\$77,621.01</u>
Net Income, transferred to Revenue Account, Schedule "C" ..		<u>\$35,726.30</u>

SCHEDULE "H."

THE SCHOOL OF ENGINEERING.

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$52,584.84	
Powell Fund Income.....	2,000.00	
	<u>\$54,584.84</u>	

Expenses.

Administration:		
Operation:		
Salaries.....	\$1,580.00	
Stationery, Printing and		
Postage.....	35.95	
Office Expense.....	53.67	
Supplies.....	47.60	
Scholarships.....	298.00	
	<u>\$2,015.22</u>	
Maintenance:		
Repairs to Equipment.....	\$10.00	
Distributive Share.....	8,660.23	
	<u>8,670.23</u>	
Civil Engineering:		
Operation:		
Salaries.....	\$14,200.00	
Laboratory Supplies.....	449.32	
	<u>14,649.32</u>	
Maintenance:		
Laboratory Assistant.....		24.04
Electrical Engineering:		
Operation:		
Salaries.....	\$6,300.00	
Laboratory Supplies.....	571.53	
	<u>6,871.53</u>	
Mechanical Engineering:		
Operation:		
Salaries.....	\$8,500.00	
Laboratory Supplies.....	437.62	
	<u>8,937.62</u>	
Maintenance:		
Laboratory Assistant.....		50.00
		<u>41,217.96</u>
Net Income, transferred to Revenue Account, Schedule "C" ..		<u>\$13,366.88</u>

REPORT OF THE COMPTROLLER

SCHEDULE "I."

THE SCHOOL OF PHARMACY.

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$13,882.65	
Gibbs Pharmacy Fund.....	546.19	
		<u>\$14,428.84</u>

Expenses.

Administration:

Operation:

Stationery, Printing and		
Postage.....	\$21.88	
Office Expense.....	99.18	
Faculty Scholarships.....	94.00	
		<u>\$215.06</u>

Maintenance:

Distributive Share.....	1,185.28	
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Instruction:

Operation:

Salaries.....	\$5,000.00	
Laboratory Supplies.....	1,187.07	
		<u>6,187.07</u>

7,587.41Net Income, transferred to Revenue Account, Schedule "C" .. \$6,841.43

SCHEDULE "J."

THE SCHOOL OF EDUCATION.

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees.....	\$50,063.32
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Expenses.

Administration:

Operation:

Salaries.....	\$960.00	
Stationery, Printing and		
Postage.....	99.82	
Office Expense.....	13.10	
Scholarships.....	476.00	
		<u>\$1,548.92</u>

Maintenance:

Distributive Share.....	13,267.70	
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Education:

Operation:

Salaries.....	\$15,675.50	
Office Expense.....	194.33	
Laboratory Materials.....	71.03	
Scholarships—Supervising		
Teachers.....	84.00	
Laboratory Fees—Washing-		
ton Child Research Center	127.50	
		<u>16,152.36</u>

GENERAL ACCOUNTS

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Home Economics:

Operation:

Salaries.....	\$4,200.00
Laboratory Materials.....	401.03
Stationery, Printing and Postage.....	30.05

\$4,631.08

Maintenance:

Laboratory.....	7.60
-----------------	------

\$35,607.66

Net Income, transferred to Revenue Account, Schedule "C" .. \$14,455.66

SCHEDULE "K."

THE DIVISION OF LIBRARY SCIENCE.

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees..... \$11,711.69

Expenses.

Administration:

Operation:

Salaries.....	\$200.00
Stationery, Printing and Postage.....	23.97

\$223.97

Maintenance—Distributive Share..... 2,504.38

Instruction:

Operation:

Salaries.....	4,100.00
---------------	----------

6,828.35

Net Income, transferred to Revenue Account, Schedule "C" .. \$4,883.34

SCHEDULE "L."

THE DIVISION OF FINE ARTS.

INCOME AND EXPENSE.

For the Year Ended August 31, 1930.

Income.

Student Fees..... \$16,309.05

Expenses.

Architecture:

Operation:

Salaries.....	\$10,360.04
Beaux Arts Design.....	479.30
Models.....	384.00
Office Expense.....	85.51
Express.....	25.00

\$11,333.85

Maintenance:

Repairs to Equipment.....	\$45.16
Distributive Share.....	2,370.56

2,415.72

Graphic Art:

Operation:

Salaries.....	\$3,950.00	
Office Expense.....	80.86	
	<u> </u>	\$4,030.86
		<u>\$17,780.43</u>

Net Loss, transferred to Revenue Account, Schedule "C"... \$1,471.38

SCHEDULE "M."

THE SUMMER SESSIONS OF 1930.

INCOME AND EXPENSE.

Income.

Student Fees:

Columbian College.....	\$34,406.24	
The Graduate School of Letters and Sciences.....	4,379.92	
The School of Education.....	7,602.84	
The School of Engineering.....	3,574.89	
The Law School.....	11,927.00	
The Division of Fine Arts.....	930.00	
The Division of Library Science.....	1,491.34	
	<u> </u>	\$64,312.23

Expenses.

Administration:

Operation:

Salaries.....	\$2,489.99	
Stationery and Postage.....	161.84	
Advertising.....	265.95	
Printing.....	647.16	
Social Fund.....	369.65	
Office Expense.....	119.78	
	<u> </u>	\$4,054.37

The Graduate School of Letters and Sciences:

Operation:

Salaries.....	1,920.00	
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Columbian College:

Operation:

Salaries.....	\$24,387.00	
Botany Laboratory.....	41.27	
Chemistry Laboratory.....	491.71	
Geology Laboratory.....	91.15	
Physics Laboratory.....	71.69	
Psychology Laboratory.....	47.85	
Zoology Laboratory.....	95.49	
	<u> </u>	25,226.16

The School of Engineering:

Operation:

Salaries.....	720.00	
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The School of Education:

Operation:

Salaries.....	2,770.00	
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GENERAL ACCOUNTS

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The Law School:

Operation:

Salaries.....	\$7,660.00	
Advertising.....	294.15	
Stationery, Printing and Postage.....	122.85	
Printing—Educational.....	126.89	
		\$8,203.89

The Division of Library Science:

Operation:

Salaries.....	1,320.00	
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The Division of Fine Arts:

Operation:

Salaries.....	\$558.16	
Models.....	30.25	
		588.41
		\$44,802.83

Net Income, transferred to Revenue Account, Schedule "C" .. \$19,509.40

SCHEDULE "N"—STATEMENT OF CASH RECEIPTS AND PAYMENTS.
For the Year Ended August 31, 1930.

Receipts.		Payments.	
Student Fees:		Departmental Expense:	
By Divisions of Instruction:		Columbian College.....	
The School of Medicine.....	\$372,539.96	The School of Medicine.....	\$300,516.13
The Law School.....	103,694.16	The Law School.....	112,170.80
The School of Engineering.....	113,600.93	The School of Engineering.....	77,571.01
The Graduate School of Letters and Sciences.....	54,116.96	The Graduate School of Letters and Sciences.....	41,217.96
The School of Pharmacy.....	37,785.38	The School of Pharmacy.....	10,527.01
The School of Education.....	15,298.45	The School of Education.....	7,587.41
The Division of Library Science.....	50,570.52	The Division of Library Science.....	35,607.66
The Division of Fine Arts.....	11,796.68	The Division of Fine Arts.....	6,828.35
The Summer Sessions.....	16,434.06	The Division of Fine Arts.....	17,780.43
The Summer Sessions.....	65,806.46	The Summer Sessions.....	44,802.83
Other Student Fees:	\$841,643.55	Refunds to Students:	
University Fees.....	\$67,693.84	Columbian College.....	\$7,943.80
Graduation Fees.....	8,835.00	The School of Medicine.....	1,740.80
Fees—Previous Years.....	2,539.19	The Law School.....	303.62
Medical School Fees Paid in Advance.....	79,068.03	The School of Engineering.....	1,532.12
For Specific Purposes:	8,528.50	The Graduate School of Letters and Sciences.....	1,722.44
Columbian College.....	\$11,506.27	The School of Pharmacy.....	1,415.80
The School of Medicine.....	5,802.65	The School of Education.....	507.20
The School of Engineering.....	2,000.00	The Division of Library Science.....	84.99
The School of Pharmacy.....	546.19	The Division of Fine Arts.....	125.00
The Graduate School of Letters and Sciences.....	1,526.00	University Fees.....	180.00
For General Purposes.....	21,381.11	The Summer Sessions.....	1,494.23
Exeutory Trust Funds—Principal:	24,951.60	Graduation Fees.....	150.00
To Columbian College:		Fees—Previous Years.....	617.20
National League of Masonic Clubs Fund.....	\$7,000.00	General Administration.....	
Guggenheim Fund for Promotion of Aeronautics.....	1,809.70	Comptroller's Department.....	17,817.20
For Purchase of Hospital Equipment.....	1,507.55	Office of The Registrar.....	73,935.26
U. to Endowment Principal.....	1,519.99	University Libraries.....	39,371.44
For the Reduction of Trust Notes Payable on Real Estate.....	5,500.00	Personnel Department.....	32,449.48
For the Purchase of Real Estate.....	43,416.11	Health Administration.....	14,223.20
Unexpended Guggenheim Fund income.....	190.30	Physical Education for Women.....	3,491.89
Reappropriation to Account No. 131.....		Physical Education for Men.....	5,691.50
		Student Activities.....	11,193.04
		Acquired Interest on Temporary Investments.....	39,018.25
		Prizes.....	13,124.27
		Capital Payments:	1,308.07
		Equipment Purchased for Schools:	160.00
		Columbian College.....	\$11,327.47
		The School of Medicine.....	4,210.18
		The Law School.....	1,558.33

GENERAL ACCOUNTS

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Student Activities:

Football—Gates.....	\$1,549.91
Basketball—Guarantees.....	2,550.00
Basketball—Gates.....	79.50
Rifle Team—Guarantees.....	360.00
Glee Club.....	20.00
University Hatchet—Advertising and Subscriptions.....	711.66
	3,420.17

Contributions and Donations:

For Books.....	\$5.00
For Landscaping Lisner Hall.....	260.00
Columbian Women—for Salary of Alumni Secretary.....	100.00
Hecht Co.—for Special Investigation in the Department of Psychology.....	1,000.00
Gift of Mrs. Chauncey M. Depew.....	1,000.00

Loans Payable—Riggs National Bank.....	2,365.00
Rents:	150,000.00
Fraternity Rooms.....	\$2,183.50
712-20th Street, N. W.....	352.40

Prizes.....

Interest on Bank Deposits.....

Interest on Temporary Investments.....

Cash Adjustment on Purchase of 716-20th St.....

Other Receipts:

Phone Tolls.....

Use of Corcoran Hall.....

Purchase Refunds.....

Sales of Waste Materials.....

Glee Club Expense Refunded.....

Duplicate Diploma.....

Miscellaneous.....

1926-27 Cherry Tree Balance.....

Cash Advanced to Hospital Year 1929.....

Old Hospital Cash Balance.....

Discount Received.....

Total Receipts.....

Cash Balance—August 31, 1929.....

\$1,214,043.15

32,455.31

\$1,246,498.46

The School of Engineering.....	906.19
The Graduate School of Letters and Sciences.....	954.20
The School of Pharmacy.....	6,842.89
The School of Education.....	1,562.10
The Division of Library Science.....	297.05
The Division of Fine Arts.....	349.59

Other Equipment:

University Library.....	\$149.13
Gymnasium.....	1,618.64
University Hospital.....	1,507.55

Books:

University Library.....	\$5,340.72
The School of Medicine Library.....	806.44
The Law School Library.....	3,072.73
The School of Pharmacy Library.....	457.64

Real Estate:

712-20th Street, N. W.....	\$3,482.89
718-20th Street, N. W.....	20,063.25
713-21st Street, N. W.....	6,065.75
2016-H Street, N. W.....	12,053.60
2102-G Street, N. W.....	13,051.60
Improvements—Pharmacy Bldg.....	2,416.37
Interest in Sherman Avenue Property.....	2,675.10
Mechanical Laboratory.....	11,314.96

Reduction of Real Estate Notes Payable.....

Reduction of Liability to Endowment Income.....

Reduction of Liability to Endowment Principal.....

Temporary Investments of General Funds.....

Temporary Increase in Petty Cash.....

Transferred to Administrative Reserve Fund.....

Total Payments.....

Cash Balance—August 31, 1930.....

\$1,209,369.07

37,129.39

\$1,246,498.46

CELESTIAL ENDOWMENT FUNDS

As at August 31, 1939

TRUST ACCOUNTS

SCHEDULE "O."

GENERAL ENDOWMENT FUNDS.

As at August 31, 1930.

Permanent funds, principal to be invested and income only to be used, for support of the general work of the University.

Subscription Gifts Fund, 1845-1851:

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.)..... \$12,525.56

Withers Fund:

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving \$16,100.00, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.)..... 26,891.46

Corcoran Fund:

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and support of the institution; William W. Corcoran, of Washington, D. C., giving \$112,000.00, and the balance being obtained by general subscription..... 220,155.76

Syms Fund:

Bequest of Samuel Robert Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College proper..... 1,500.00

Alumni Endowment Fund:

A fund established by the Senior Class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees..... 542.00

1923-1924 Campaign Fund:

Receipts through the Treasurer of the Fund, from various donors, and invested as a general endowment, the income to be used for the support of the University..... 185,891.90

George N. Acker Fund:

Bequest of George N. Acker, M.D., of Washington, D. C., received July 2, 1924. An unconditional gift carried as a general endowment by direction of the Board of Trustees..... 300.00

\$447,806.68

TRUST ACCOUNTS

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PROFESSORSHIP ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

Congressional Professorship Fund:

Donation by the United States, in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees".....\$105,362.95

Elton Professorship Fund:

Bequest of Rev. Romeo Elton of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy 14,508.19

Alumni Professorship Fund:

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be invested and the interest only to be used for the professorship..... 829.49

Mitchell Carroll Professorship Fund:

A fund established by Mary A. Sharpe, April 17, 1928, to memorialize Professor Mitchell Carroll; the income to be used to provide revenue for a chair of Archaeology..... 500.00

Nancy Yulee Endowment Fund:

Bequest of Nannie Yulee Noble, in memory of her mother, Nancy Yulee; income to be used for lectures in Home Economics. Fund established April 22, 1929..... 5,000.00

Art and Archaeology Fund:

A fund established by the Board of Trustees on May 18, 1927, the income to be devoted to the "support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause"..... 1,000.00

The Scottish Rite Endowment Fund:

A fund of One Million Dollars, created by indenture, dated December 27, 1928, by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, and in consideration of its high esteem of The University as an institution of learning. The principal of the fund is payable as follows: "One Hundred Thousand Dollars on the execution and delivery of this indenture, or deed of donation. Annually thereafter the sum of One Hundred Thousand Dollars a year, payable on or before the 22nd of February in each year, until the sum above named has been fully paid." The principal of the fund is "to be held by the University in trust, in perpetuity, and by the Board of Trustees of The University to be safely invested and

the income thereof used in the establishment and maintenance by the University as a part of its institution of learning of a School or Department of Government designed to perpetuate the principles of human freedom, the rights of man, and the sovereignty of the people, as those principles are enunciated in the Constitution of the United States and embodied in the system of State and Federal Governments composing the United States of America". \$350,000.00

\$477,200.63

SPECIFIC ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorships) incidental to, or connected with, the general work of the University.

Scholarship Funds:

Walker Scholarship Fund:

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship \$2,500.00

Withington Scholarship Fund:

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship 1,953.13

Morehouse Scholarship Fund:

Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry 1,500.00

Kendall Scholarship Fund:

Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College, on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; the Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade 5,959.61

Davis Scholarship Fund:

Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions 1,000.00

M. M. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man..... \$1,000.00

Founders of Columbian Women Scholarship Fund:

A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College 5,000.00

Woodhull Scholarship Fund:

Bequest of Ellen M. E. Woodhull, of Washington, D. C., the income to be used for scholarships..... 600.00

Third Columbian Women Scholarship Fund:

A fund established by the "Columbian Women" of George Washington University, in 1925, to provide scholarships for women in Columbian College 4,310.00

Byron Andrews Memorial Scholarship Fund:

A fund founded by Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students in English, Latin, Journalism, History, Literature or Political Science"..... 5,000.00

David Spencer Scholarship Fund:

Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at the University..... 18,135.00

Farnham Scholarship Fund:

Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College..... 1,000.00

Powell Scholarship Fund:

Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States..... 30,000.00

Mary Lowell Stone Scholarship Fund:

Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for Scholarships for needy women students in science in the Department of Arts and Sciences..... 2,000.00

H. H. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University, as a foundation for scholarships in civil engineering in Columbian College..... 5,000.00

Nellie Maynard Knapp Scholarship Fund:

Gift of the "Columbian Women," in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Department of Arts and Sciences..... \$5,000.00

Elma Lewis Harvey Scholarship Fund:

Bequest of Mrs. Emma Elizabeth Harvey, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race..... 5,000.00

Elizabeth V. Brown Scholarship Fund:

A fund founded by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in Teachers College..... 1,200.00

College Women's Scholarship Fund:

Donation by the College Women's Club of Washington, in 1926, the income to be used by the Columbian Women for scholarships..... 500.00

Isabella Osborn King Memorial Fund:

Bequest of Isabella G. King, by will dated March 15, 1920; the income to be used to provide a scholarship for special investigation in Biology..... 40,643.63

Lewes D. and Myrtie H. Wilson Scholarship Fund:

A fund established by Miss Elizabeth Wilson, in 1926, the income to be used by the Columbian Women for scholarships..... 1,000.00

Addie Sanders Scholarship Fund:

Bequest of Addie Sanders by will dated March 13, 1928, to The George Washington University, in memory of her late brother, Thomas Bradford Sanders, the income to be used by the proper authorities of The George Washington University in the exercise of their sole and absolute discretion for the establishment of annual scholarships in the several departments of said University to assist young men and women in obtaining an education and furthering their causes..... 245,370.22

\$383,671.59

Prize Funds:*Davis Prize Funds:*

Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College..... \$700.00

Ruggles Prize Fund:

Gift of William Ruggles of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1859, to Columbian College, for a prize to be awarded annually for excellence in mathematics..... 500.00

Staughton-Elton Prize Fund:

Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek languages; one to be called the Staughton prize in Latin the other the Elton prize in Greek \$500.00

Fitch Prize Fund:

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University, in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School 1,000.00

Walsh Prize Fund:

Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history 300.00

Cutter Prize Fund:

Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English..... 1,000.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal, and a cash prize, to be awarded annually to the student making the highest average in Commerce..... 1,169.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy 675.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature..... 675.00

Hubbard Prize Fund:

Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high standing in the classes of American History, may be required to present the best essay upon an assigned topic in this subject..... 1,000.00

Ordronaux Prize Fund:

Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments..... \$5,000.00

Weddell Prize Fund:

Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world..... 5,000.00

Sterrett Prize Fund:

Gift of Rev. J. Macbride Sterrett, in 1911, to George Washington University, in memory of his son, J. Macbride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining the highest average in physics..... 300.00

\$17,819.00

Medical School and Hospital, and Pharmacy Funds:*Cooper Medical Research Fund:*

Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C., as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases..... \$10,000.00

National Park Seminary Hospital Fund:

Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to George Washington University, for the endowment of a bed in the University Hospital..... 500.00

Woodbury Hospital Fund:

Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the hospital belonging to or connected with the University..... 9,583.33

Chapman Hospital Fund:

Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital..... 1,225.90

Tree Hospital Fund:

Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or beds"..... 10,000.00

Reinhardt Hospital Fund:

Bequest of Mrs. Luisa Wynne Reinhardt, of Washington, D. C., in 1922, to the University Hospital, to be used for the benefit of the Hospital, as directed by the Board of Trustees..... \$500.00

Sharpe Medical School Fund:

Gift of Mary A. Sharpe, Elizabeth M. Sharpe, and Sallie Sharpe, in 1924, to establish a fund in trust, the income to be used exclusively for the Medical School..... 8,000.00

Lewis Medical School Fund:

Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of the Medical School..... 103,304.15

Board of Lady Managers Hospital Fund:

Gift of the Board of Lady Managers of George Washington University Hospital, in 1925, to establish a fund, the income to be used for the support of the Hospital..... 1,000.00

General Hospital Endowment Fund:

Bequest of Dr. I. M. Cassanowicz..... 100.00

Gardner Medical School Fund:

Bequest of William D. Gardner, received in 1928; the income to be used for the support The School of Medicine..... 4,486.55

Gibbs Pharmacy Fund:

Gift of M. G. Gibbs, of Washington, D. C., to The George Washington University; the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with its School of Pharmacy..... 10,000.00

\$158,699.93

Total Trust Funds—Schedule “A”..... \$1,485,197.83

SCHEDULE “P”

EXECUTORY TRUST FUNDS

As at August 31, 1930

EXECUTORY TRUST FUNDS.

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

*Executory Trust Funds not Confined to Building Purposes:**Denman Law School Fund:*

Bequest of Hampton Y. Denman, of Washington, D. C., in 1904, to Columbian University, for the use and benefit of the Law Department..... \$9,295.10

Jacques Law School Fund:

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Law School..... 7,618.48

Jacques Medical School Fund:

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Hospital of the University..... 5,021.54

SUMMARY OF GENERAL ENDOWMENT AND EXECUTORY
TRUST FUNDS.

As at August 31, 1930.

General Endowment Funds:

General Endowment Funds.....	\$447,806.68
Professorship Endowment Funds.....	477,200.63

Specific Endowment Funds:

Scholarship Funds.....	\$383,671.59	
Prize Funds.....	17,819.00	
Medical School, Hospital and Pharmacy Funds.....	158,699.93	
		560,190.52

Total General Endowment Funds, Schedule "A"	\$1,485,197.83
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Executory Trust Funds:

Building Funds.....	\$45,776.07
Funds Not Confined to Building Purposes.....	74,887.46

Total Executory Trust Funds, Schedule "A"	120,663.53
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Total General Endowment and Executory Trust Funds...	\$1,605,861.36
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SCHEDULE "Q."

SUMMARY OF GENERAL ENDOWMENT AND EXECUTORY
TRUST FUNDS INVESTMENTS.

As at August 31, 1930.

	<i>General Endowment</i>	<i>Executory Trust</i>	<i>Total</i>
Stocks.....	\$23,269.31	\$420.00	\$23,689.31
Bonds.....	377,123.47	67,917.25	445,040.72
Trust Notes.....	657,910.24	37,000.00	694,910.24
Real Estate.....	215,059.70	7,179.32	222,239.02
Certificate of Deposit.....	150.00		150.00
Sanders Scholarship Fund Investments.....	245,371.00		245,391.09
Total Investments, Schedule "A"	\$1,518,883.81	\$112,516.57	\$1,631,400.38
Cash Uninvested, Schedule "A"	11,314.02	8,146.96	19,460.98
	\$1,530,197.83	\$120,663.53	\$1,650,861.36
Less: Trust Notes Payable on Lewis Property.....	45,000.00		45,000.00
	\$1,485,197.83	\$120,663.53	\$1,605,861.36

THIRD DIVISION
SELF-SUPPORTING DEPARTMENTS
FOR THE YEAR ENDED
AUGUST 31, 1930

REPORT OF THE COMPTROLLER

SCHEDULE "S."

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS.

BALANCE SHEET.

As at August 31, 1930.

Assets.

Current Assets:

Due from Cherry Tree.....	\$19.03	
Inventory—The University Stores.....	12,097.54	
Inventory—The Duplicating Bureau.....	816.23	
		<u>\$12,932.80</u>

Fixed Assets:

Equipment—Duplicating Bureau.....	\$2,377.48	
Less—Reserve for Depreciation.....	400.88	
		<u>1,976.60</u>

Total Assets.....		<u><u>\$14,909.40</u></u>
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Liabilities and Surplus.

Current Liabilities:

Cash Overdraft, August 31, 1930.....	\$3,229.78
Liability of Duplicating Bureau to The University.....	1,468.31
Liability of the University Stores to The University.....	6,696.62

Surplus:

Balance, August 31, 1929.....	\$3,182.04	
Add: Old Colonial Wig Balance Transferred.....	2.02	
Profit for Year Ended August 31, 1930.....	330.63	
		<u>3,514.69</u>
Surplus, August 31, 1930.....		<u>3,514.69</u>
Total Liabilities and Surplus.....		<u><u>\$14,909.40</u></u>

SCHEDULE "T."

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS.

STATEMENT OF PROFIT AND LOSS.

For the Year Ended August 31, 1930.

Hospital Services:

Receipts.....	\$20,325.94	
Disbursements.....	18,612.94	
Net Profit for Year.....		<u>\$1,713.00</u>

Medical Services:

Receipts.....	4,830.20	
Disbursements.....	3,722.65	
Net Profit for Year.....		<u>1,107.55</u>

TRUST ACCOUNTS

37

Duplicating Bureau:

Sales..... \$8,409.10

Supplies Inventory,
August 31, 1929..... \$431.98

Purchases—Supplies..... 3,880.28

\$4,312.26Supplies Inventory,
August 31, 1930..... 816.23

Cost of Supplies Used..... \$3,496.03

Salaries..... 5,297.80

Repairs to Equipment..... 85.31

Depreciation on Equipment..... 237.74

Cost of Sales..... 9,116.88

Net Loss for Year..... \$707.78

The University Stores:

Sales..... \$21,401.33

Opening Inventory,
August 31, 1929..... \$7,030.23

Purchases..... 27,170.78

\$34,201.01Closing Inventory,
August 31, 1930..... 12,097.54Cost of Sales..... 22,103.47

Loss on Sales..... 702.14

Add: Salaries..... 1,080.00Net Loss for Year..... 1,782.14Net Profit for Year transferred to Surplus, Schedule "S".... \$330.63

SCHEDULE "U."

THIRD DIVISION—SELF SUPPORTING DEPARTMENTS.
STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS.

For the Year Ended August 31, 1930.

	Cash Balance August 31, 1929	Receipts for Year	Total	Disburse- ments	Cash Balance August 31, 1930
Handbook.....		\$1,010.01	\$1,010.01	\$1,010.01	
Ghost.....	\$287.94	125.55	413.49	413.49	
Cherry Tree.....	70.30	4,389.19	4,459.49	4,478.52	19.03
Colonial Wig.....	2.02		2.02		2.02*
Other Departments.....	2,181.45		57,148.02		\$3,212.77
The University Stores		21,401.33			
Purchases.....				27,170.78	
Salaries.....				1,080.00	
Duplicating Bureau.....		8,409.10			
Salaries.....				5,297.80	
Supplies.....				3,880.28	
Repairs to Equipment.....				85.31	
Equipment.....				511.03	
Hospital Services.....		20,325.94		18,612.94	
Medical Services.....		4,830.20		3,722.65	
	<u>\$2,541.71</u>	<u>\$60,491.32</u>	<u>\$63,033.03</u>	<u>\$66,262.81</u>	<u>\$3,229.78</u>

*Transferred to Third Division Surplus—August 31, 1930.

REPORT OF THE COMPTROLLER

SCHEDULE "R."—GENERAL ENDOWMENT AND EXECUTORY TRUST FUNDS INCOME AND EXPENSE.
For the year ending August 31, 1930.

INCOME										EXPENSE			
	Credit Balance Aug. 31, 1929	For the Year 1929-1930	Added to Principal of Fund	Transferred to General Funds	Transferred to Schools Income	Real Estate Expense	Prizes and Scholarships	Transferred to Hospital Income	Credit Balance Aug. 31, 1930				
Corcoran Fund.....		\$1,891.29		\$1,891.29									
Alumni Endowment Fund.....		24.14		24.14									
1923-1924 Campaign Fund.....		10,073.90		10,073.90									
George N. Aker Fund.....		16.39		16.39									
Scottish Rite Endowment Fund.....													
Congregational Professorship Fund.....		10,648.32			\$10,648.32								
Elton Professorship Fund.....		1,068.64		1,068.64									
Alumni Professorship Fund.....		238.96			238.96								
Mitchell Carroll Professorship Fund.....		45.31		45.31									
Nancy Yulee Endowment Fund.....		27.31		27.31									
Art and Archeology Fund.....	\$83.42	273.10											
Addie Sanders Scholarship Fund.....		54.62		54.62									
Isabella C. King Memorial Fund.....	12,000.00	13,574.59		5,750.00	1,526.00				\$356.52				
Withington Scholarship Fund.....	7,067.23	2,219.91							18,298.59				
Kendall Scholarship Fund.....	40.03	20.75							9,287.14				
Davis Scholarship Fund.....	782.73	245.79							60.78				
Founders of Columbian Women Scholarship Fund.....	2.86	2.18							1,028.52				
Ellen M. E. Woodhull Scholarship Fund.....	260.70	273.10					\$256.21		277.59				
Third Columbian Women Scholarship Fund.....	88.62	32.77					80.00		41.39				
David Spencer Scholarship Fund.....	156.42	204.55					156.42		204.55				
Byron Andrews Memorial Scholarship Fund.....	32.43	450.00					450.00		32.43				
	264.88	262.53					205.00		322.41				

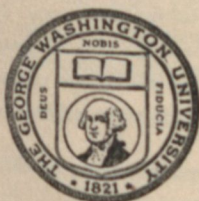
TRUST ACCOUNTS

39

Powell Scholarship Fund.	1,578.32	5,318.32	2,000.00	3,136.24			1,760.40
Mary L. Stone Scholarship Fund.	311.39						311.39
Nellie M. Knapp Scholarship Fund.	319.28	273.10			319.28		273.10
Elma Lewis Harvey Scholarship Fund.	551.98	391.86			140.00		803.84
E. V. Brown Scholarship Fund.	126.46	65.54			126.46		65.54
College Womens Scholarship Fund.	26.07	27.31			26.07		27.31
Hope Lodge No. 20 Scholarship Fund.	16.00						16.00
Metzerott Scholarship Fund.		366.00			366.00		
L. D. and M. H. Wilson Scholarship Fund.	4.56	54.62			4.56		54.62
Cooper Medical Research Fund.		546.19	180.12				366.07
National Park Seminary Hospital Fund.	76.00	27.31					103.31
Woodbury Hospital Endowment Fund.	499.68	523.43				\$499.68	523.43
Chapman Hospital Endowment Fund.	63.92	66.96				63.92	66.96
Tree Hospital Endowment Fund.	522.14	546.19				522.14	546.19
Reinhardt Hospital Fund.	26.07	27.31				24.26	29.12
Sharpe Medical School Fund.		459.42	459.42				
Lewis Medical School Fund.	.01	9,846.96	4,938.11	4,908.86			
Board of Lady Managers Hospital Fund.	52.14	54.62				52.14	54.62
General Hospital Endowment Fund.		5.46					5.46
Gardner Medical School Fund.	353.32	245.05					373.37
Gibbs Pharmacy Fund.		546.19	225.00				
Davis Prize Fund.	155.72	38.23	546.19				163.95
Fitch Prize Fund.	660.36	12.89			30.00		623.25
Walsh Prize Fund.	404.99	16.39			60.00		421.38
Cutter Prize Fund.	90.97	54.62					95.59
Goddard Prize Fund.	228.54	137.59			50.00		241.13
Hubbard Prize Fund.	83	54.62			125.00		55.45
Ordreux Prize Fund.	635.89	221.81			200.00		430.20
Weddell Prize Fund.	44.72	273.10			250.00		67.82
Sterrett Prize Fund.	131.89	16.39			16.00		132.28

THE
GEORGE
WASHINGTON
UNIVERSITY

A WORD TO HIGH
SCHOOL SENIORS



THE SUMMER SESSIONS 1930

NINE WEEKS TERM: - JUNE 16 TO AUGUST 16

SIX WEEKS TERM: - - JUNE 30 TO AUGUST 9

WASHINGTON, D. C.

1930

SCHEDULE "R."—GENERAL ENDOWMENT AND ESTATE TAXES

SCHEDULE "R"—GENERAL ENDOWMENT AND EXECUTORY TRUST FUNDS INCOME AND EXPENSE—Continued

For the year ending August 31, 1930.

EXPENSE						INCOME				
Credit Balance Aug. 31, 1930	Transferred to Hospital Income	Prizes and Scholarships	Real Estate Expense	Transferred to Schools Income	Transferred to General Funds	Added to Principal of Fund	For the Year	Credit Balance Aug. 31, 1929		
									Denman Law School Fund.....	\$30
									Jacques Law School Fund.....	
									Jacques Medical School Fund.....	
									Mayer Hospital Fund.....	
									La Fayette Memorial Fund.....	
									Maury Memorial Fund.....	
									Serisher Book Fund.....	
									Administrative Reserve Fund.....	
									Guggenheim Fund.....	
									D. C. D. A. R. Loan Fund.....	
									School of Pharmacy Equipment Fund.....	
									National League of Masonic Clubs Fund.....	
									Addie Sanders Hospital Fund.....	
									Engineering Club Room Fund.....	
									Reserve for the Protection of Investments.....	3
									Depew Oratory Fund.....	
									Law School Building Fund.....	
									General Building Fund.....	
									Chemistry Building Fund.....	
									Class of 1929 Women's Unit No. 3 Fund.....	
									Unit No. 3 Fund.....	
									Medical Building Fund.....	

(2) Because of the absence of much of the athletic and social activities of the regular sessions, there is every incentive to concentrate upon scholastic work. The Freshman will find himself stimulated by a large group of serious-minded students who are intent upon deriving the greatest benefit from their classroom work.

(3) Time is saved. The time required to obtain a degree may be considerably shortened by attending the summer sessions. This is extremely important to the student who must support himself during his college course, or who plans to continue his education in professional schools, such as Law or Medicine.

The George Washington University is this year offering courses for Freshmen in many subjects which are required for academic and professional degrees. If you wish a catalogue announcement sent to you, please send your name and address to the Director of Summer Sessions. Additional information can be readily obtained at the Office of the Registrar, 2033 G Street, Northwest.

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LAW

WASHINGTON, D. C.

1930

SCHEDULE "R"—GENERAL ENDOWMENT AND EXECUTORY TRUST FUNDS INCOME AND EXPENSE—Continued

For the year ending August 31, 1930.

	INCOME			EXPENSE				Credit Balance Aug. 31, 1930
	Credit Balance Aug. 31, 1929	For the Year	Added to Principal of Fund	Transferred to General Funds	Transferred to Schools Income	Real Estate Expense	Prizes and Scholarships	Transferred to Hospital Income

Denman Law School Fund
 Jacques Law School Fund
 Jacques Medical School Fund
 Mayer Hospital Fund
 La Fayette Memorial Fund
 Maury Memorial Fund
 Swisher Book Fund
 Administrative Reserve Fund
 Guggenheim Fund
 D. of C. D. A. R. Loan Fund
 School of Pharmacy Equipment Fund
 National League of Masonic Clubs Fund
 Addie Sanders Hospital Fund
 Engineering Club Room Fund
 Reserve for the Protection of Investments
 Depew Oatery Fund
 Law School Building Fund
 General Building Fund
 Chemistry Building Fund
 Class of 1929 Womens Unit No. 3 Fund
 Unit No. 3 Fund
 Medical Building Fund

\$3

SUMMER SESSIONS 1930

GEORGE WASHINGTON UNIVERSITY

COLUMBIAN COLLEGE

THE GRADUATE SCHOOL OF LETTERS AND SCIENCE

THE SCHOOL OF ENGINEERING

THE SCHOOL OF EDUCATION

THE SCHOOL OF GOVERNMENT

THE DIVISION OF LIBRARY SCIENCE

THE DIVISION OF FINE ARTS

THE LAW SCHOOL

Send Summer Sessions catalogue to:

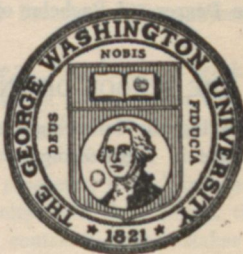
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THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

TRAINING FOR PATENT LAW



WASHINGTON, D. C.

1930

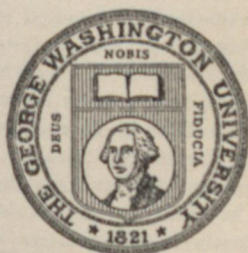
Patent Law Practice: Two hours a week throughout the year. This course consists of the trial in Moot Court of patent cases. The students in the class act as counsel, and the member of the faculty in charge acts as the judge. Students who are preparing for the practice of Patent Law are permitted to count this course as fulfilling the Moot Court requirement for the degree of Bachelor of Laws.

Practical Experience in the United States Patent Office: The courses are given as part of the late-afternoon curriculum of the Law School, the classes meeting from 5:10 to 7:00 p. m. They are thus available to employed students, especially those in the United States Government offices. In order to secure employment adequate for self-support and at the same time obtain experience in the practical administration of the Patent Laws, students with sufficient technical training who desire to prepare to enter patent practice are strongly urged to secure appointments as assistant examiners of patents in the United States Patent Office. These positions are filled from lists of eligibles made up as a result of Civil Service examinations in scientific and technical subjects. The three-year course in the School of Engineering has been planned and developed to give students sufficient technical training to pass these examinations. Thus students may secure, at the same time, experience in the actual administration of the Patent Laws, theoretical instruction in Patent Law, and adequate general legal training.

For further information address,
The Registrar,
The George Washington University,
2033 G Street N.W.,
Washington, D. C.

T H E
G E O R G E
W A S H I N G T O N
U N I V E R S I T Y

THE SUMMER SESSIONS
PRELIMINARY ANNOUNCEMENT
1930



WASHINGTON, D. C.

THE SUMMER SESSIONS

General Statement

This is a preliminary announcement of The George Washington University Summer Sessions of 1930. The Summer Sessions will be held as follows:

All Schools (except Law)

Nine Weeks term, June 16 to August 16

Six Weeks term, June 30 to August 9

The Law School

First term, June 16 to July 30

Second term, July 31 to September 13.

A complete announcement of courses and schedules, with a detailed statement of requirements for admission, of fees and expenses, and other necessary information, will be ready for distribution about March 20. This announcement will be sent to you if you desire it.

Academic Credit

The Summer Sessions are an integral part of the University. Since the courses offered are the equivalent of the corresponding courses offered in the regular terms, academic credit for the completed work will be given toward the appropriate degrees in the various Schools and Divisions of the University.

Courses of Instruction

Members of the University faculty and visiting professors from other institutions will offer approximately one hundred and thirty courses in the following departments of instruction: Botany, Chemistry, Economics, Education, Engineering, English, Fine Arts including Architecture and Graphic Art, Geology, German, History, Law, Library Science, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Public Speaking, Romance Languages including French and Spanish, Sociology, and Zoology.

These courses will be conveniently arranged throughout the entire day and in the early evening. In addition to the regular college subjects, many courses for art students, teachers and librarians are available. Provision for special research is made in the Graduate School of Letters and Sciences. During the Summer Sessions the resources of the University, including laboratories, libraries and other equipment, will be at the disposal of the students.

Summer Study in Washington

The Summer Sessions offer to students an opportunity to continue university work during the summer period. The educational value of a term of study in the national capital is of great importance, as the knowledge gained

forms a background for both intelligent and appreciative citizenship. History, political science, literature, and current events are all vivified by a first-hand knowledge of Washington and its national institutions. The schedule of classes will give the student ample time to visit libraries and observe the departments and bureaus of the federal government in operation. Many places of historic association and beauty in nearby Virginia and Maryland are easily accessible.

Social and Recreational Life

Provision is made for the social and recreational side of student life during the Summer Sessions. The University reception and dance is an annual event. The University's athletic facilities and equipment are available to summer students. Tours and excursions to places of interest under the direction of competent guides will be organized for out-of-town students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at nearby beaches, offer a wide choice of outdoor recreation.

Living Quarters and Costs

The University has no dormitories. For the benefit of out-of-town students, the Residence Bureau maintains a list of rooms and apartments near the University. Single rooms usually cost from twenty to thirty dollars a month, and double, from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

Director, Summer Sessions,
George Washington University,
Washington, D. C.

Please send complete announcement of the 1930 Summer Sessions to:

Name _____ Date _____

Address _____

Also to the following:

THE GEORGE WASHINGTON UNIVERSITY
(1821)

COLUMBIAN COLLEGE (Letters and Sciences)

THE SCHOOL OF MEDICINE

THE LAW SCHOOL

THE SCHOOL OF ENGINEERING

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

THE SCHOOL OF NURSING

THE SCHOOL OF PHARMACY

THE SCHOOL OF EDUCATION

THE SCHOOL OF GOVERNMENT

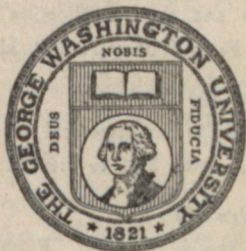
THE DIVISION OF LIBRARY SCIENCE

THE DIVISION OF FINE ARTS

THE SUMMER SESSIONS

T H E
G E O R G E
W A S H I N G T O N
U N I V E R S I T Y
B U L L E T I N

S U M M E R S E S S I O N S



DIVISION OF FINE ARTS

Six Weeks' Term—June 30 to August 9

WASHINGTON, D. C.

1930

FINE ARTS

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
 ROBERT WHITNEY BOLWELL, PH.D., *Director of the Summer Sessions.*
 NORRIS INGERSOLL CRANDALL, M.ARCH., *Professor of Architecture.*
 DONALD CHENOWETH KLINE, B.ARCH., *Instructor in Architecture.*
 EUGEN WEISZ, *Associate in Graphic Art.*

ARCHITECTURE

- | | | |
|------|---|----------|
| 1-2. | <i>Architectural Drawing</i> (2)
Stone jointing, freehand lettering and mechanical perspective. From 5:10 to 7:40 P. M. | Kline |
| 4. | <i>Shades and Shadows</i> (2)
Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Descriptive Geometry. From 5:10 to 7:40 P. M. | Kline |
| 25. | <i>Freshman Design</i> (2)
Classical orders and their application to simple architectural subjects. From 5:10 to 7:40 P. M. | Kline |
| 26. | <i>Freshman Design</i> (2)
Simple problems in architectural design. Prerequisite: Architecture 25. From 5:10 to 7:40 P. M. | Kline |
| 27. | <i>Sophomore Design</i> (2)
Analytique and sketch problems. From 5:10 to 7:40 P. M. | Kline |
| 28. | <i>Sophomore Design</i> (2)
Project and sketch problems. From 5:10 to 7:40 P. M. | Kline |
| 125. | <i>Junior Design</i> (2)
From 5:10 to 7:40 P. M. | Crandall |
| 126. | <i>Junior Design</i> (2)
From 5:10 to 7:40 P. M. | Crandall |
| 127. | <i>Senior Design</i> (2)
From 5:10 to 7:40 P. M. | Crandall |

128. *Senior Design* (2) Crandall
From 5:10 to 7:40 P. M.
141. *Office Practice* (2) Crandall
Working drawings, details, and specifications. Prerequisite: Architectural Construction. From 5:10 to 7:40 P. M.
142. *Office Practice* (2) Crandall
Continuation of Architecture 141. From 5:10 to 7:40 P. M.

GRAPHIC ART *

- 5-6. *Pencil Sketching* (2) Weisz
Elementary instruction in the technique of sketching landscape and architectural subjects. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.
21. *Water Color* (2) Weisz
Elementary instruction in the technique of sketching landscape and architectural subjects. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.
22. *Water Color* (2) Weisz
Continuation of Graphic Art 21. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.
- 105-106. *Advanced Pencil Sketching* (2) Weisz
Sketching and composition of landscape and architectural subjects. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.
- 121-122. *Advanced Water Color* (2) Weisz
Sketching and composition of landscape and architectural subjects. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.
123. *Sketching in Oil* (2) Weisz
The technique and composition of landscape and architectural subjects. Section A, 8:30 to 11:00; Section B, 5:10 to 7:40 P. M.

*NOTE: A model will be provided for the more advanced students.

GENERAL INFORMATION

CALENDAR

June 27, 28	<i>Friday and Saturday</i>	Registration days.
June 30	<i>Monday</i>	Instruction begins.
July 4	<i>Friday</i>	Holiday.
July 5	<i>Saturday</i>	Classes held at the usual hours.
Aug. 9	<i>Saturday</i>	Instruction ends.

ADMISSION

The University is open to men and women.

Entrance requirements: The fifteen units offered for admission to the Department of Graphic Art shall include: English 3 units; Language 2 units; Algebra 1 unit; Plane Geometry 1 unit; Electives 8 units; Total 15 units. The fifteen units offered for admission to the Department of Architecture shall include: English 3 units; Foreign Language (preferably French) 2 units; Chemistry 1 unit; Physics 1 unit; Plane and Solid Geometry $1\frac{1}{2}$ units; Elementary and Advanced Algebra 2 units; Plane Trigonometry $\frac{1}{2}$ unit; Electives 4 units; Total 15 units.

Students not having these requirements may be admitted to the courses, but they will receive no University mark or credit for the work.

Tuition Fee for each semester hour	\$7.00
Registration Fee	3.00
Special Fee for Architecture 1-2, 4, 25, 26, 27, 28, 125, 126, 127, 128, 141, 142	4.00
Special Fee for Graphic Art 5-6, 21, 22, 105-106, 121-122, 123	3.00

Numbers in parentheses after course numbers indicate the number of semester hours.

All classes in the Summer Sessions are held daily with the exception of Saturday and Sunday, unless otherwise noted.

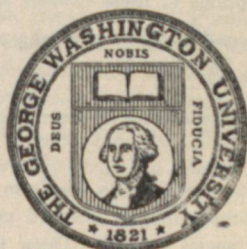
Courses for which there is insufficient enrollment may be withdrawn.

THE
GEORGE
WASHINGTON
UNIVERSITY

DEPARTMENT OF SOCIOLOGY

TRAINING FOR SOCIAL SERVICE

SECOND SEMESTER COURSES



WASHINGTON, D. C.

1930

TRAINING FOR SOCIAL SERVICE

DEPARTMENT OF SOCIOLOGY

STAFF

ROBERT RUSS KERN, A.B., *Professor of Sociology.*

DUDLEY WILSON WILLARD, PH.D., *Associate Professor of Sociology.*

ELWOOD STREET, A.M., *Lecturer in Sociology.*

MANDEL SHERMAN, PH.D., M.D., *Professorial Lecturer on Child Development.*

The George Washington University, through its Department of Sociology, offers basic courses in sociology and specialized courses dealing with sociology in its civic applications, designed to assist the social worker in his contact with modern social problems.

The social worker who desires to familiarize himself with the history of sociological thought, and to acquire the administrative skill which is a necessary part of the equipment of the social executive today, is afforded the opportunity to acquire broad knowledge and technical training in the field.

A number of new courses will be offered by the Department during the second semester. Descriptions of these courses are given below.

Registration for the second semester will take place on February 3 and 4, and classes will open on February 5.

Courses offered during the second semester, academic year 1929-30:

Social Organization

Willard

A study of group and community life from the standpoint of regional integration; constituent institutions and processes; organization, disorganization, and social control. Open to students who have had *Introduction to Sociology* or its equivalent. Monday, Wednesday and Friday at 9:10 A. M.

Educational Sociology

Willard

Social problems of curricula, pupil population, teachers and the teaching profession, educational organization and method, control and administration of schools, and educational extension. Tuesday, Thursday and Saturday at 9:10 A. M.

City Planning

Kern

Garden city and metropolitan city planning. Principles of zoning. Monday, Wednesday and Friday at 11:10 A. M.

History of Social Work

Street

Development of charity and social work from earliest recorded times. Thursday, 7:10 to 9:00 P. M.

Behavior Problems in Social Work

Sherman

Psychiatric and psychological principles underlying the development of behavior problems in social work; objective observation of behavior problems in social work; analysis of case studies; outline of the principles of treatment of behavior problems, especially in relation to social conditions. Friday, 7:10 to 9:00 P. M. Laboratory period to be arranged.

Contemporary Culture and Cultural Change

Willard

Studies of contemporary culture and methods of cultural analysis. Local institutions and usages will be the subject matter of problem assignments. Tuesday, 7:10 to 9:00 P. M.

Seminar in Sociology

Kern

Hours to be arranged.

During the Summer Session of the University the Department of Sociology will offer the following courses: *Introduction to Sociology*, *Educational Sociology*, *School and Community*, *Forum in Social Problems*.

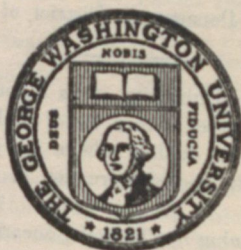
The *Forum in Social Problems* is a course offered jointly by the Department of Sociology and the Department of Public Speaking, intended to meet the needs of social workers in committee work, in group discussion, in public assemblages and community meetings, and in various relationships in which it is necessary to handle the subject matter of social problems.

The Summer Session will open June 16. For further details, write to the Director of the Summer Session, The George Washington University, Washington, D. C.

THE
GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

THE
DEPARTMENT OF PHYSICAL EDUCATION
FOR WOMEN



WASHINGTON, D. C.

1930

UNIVERSITY OFFICERS OF ADMINISTRATION

CLOYD HECK MARVIN, PH.D., LL.D.,	President of the University
WILLIAM CARL RUEDIGER, PH.D.,	Dean of The School of Education
HENRY GRATTAN DOYLE, A.M.,	Dean of The Junior College

THE DEPARTMENT FACULTY

RUTH HARRIET ATWELL, PH.B., Associate Professor of Physical Education
 Denison University for Women, Executive Officer
 Graduate Department of Hygiene and Physical Education for Women,
 Wellesley College.

HELEN BENNETT LAWRENCE, Instructor in Physical Education
 New Haven Normal School of Gymnastics
 Columbia University

RUTH MARY AUBECK, B.S., Instructor in Physical Education
 Central School of Hygiene and Physical Education
 Columbia University

JANET PIERSON JONES, B.S., Instructor in Physical Education
 Boston School of Physical Education
 University of Michigan

KATHERINE A. CHAPMAN, A.B., M.D., Associate University Physician
 George Washington University for Women

HELEN TAYLOR, A.B., Assistant in Rifle
 George Washington University

SUSIE ROOT RHODES, Lecturer on Playground Organization
 Supervisor, Playground Department, District of Columbia

The George Washington University offers a four-year course leading to the Bachelor of Science degree with a major in Physical Education. The purpose of this course is to qualify women for positions in the fields of physical education and educational recreation in schools and colleges, and on playgrounds.

The curriculum for training in Physical Education is made up of courses in biological sciences, the theory and practice of teaching, practice work in physical education, and such cultural subjects as provide the intellectual and social background necessary for leadership.

Practice teaching opportunities are available in the undergraduate classes of the University and in the schools and playgrounds of Washington. Students in the therapeutic gymnastic classes have unusual opportunities for observation work in the medical clinics of the University Medical School. The playgrounds in the city furnish opportunities for training for those interested in preparing themselves for playground direction.

The Women's Athletic Association of the University offers a broad field of activities including tennis, archery, golf, rifle, hockey, soccer, basketball, volley ball, baseball, track, bowling, and swimming. Opportunities to participate in the activities of the Riding Club, the Swimming Club, and the Outing Club of the University are offered to girls having these special interests.

CURRICULUM FOR THE DEGREE OF BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

JUNIOR COLLEGE

FIRST YEAR		SECOND YEAR	
Subject	Semester Hours	Subject	Semester Hours
English Rhetoric.....	6	English.....	6
Zoology.....	8	Comparative Anatomy of Vertebrates.....	3
History or Political Science or Sociology.....	6	Elementary Physiology.....	3
Physical Education.....	2	Psychology.....	6
Theory and Practice of Play Activities.....	6	Physical Education.....	2
Academic Electives.....	6	Methods of Teaching Gymnastics, Sports, Dancing.....	6
	34	Academic Electives.....	6
			32

SENIOR COLLEGE OF EDUCATION

THIRD YEAR		FOURTH YEAR	
Subject	Semester Hours	Subject	Semester Hours
Public Speaking.....	3	Organization and Administration of Physical Education.....	6
Principles of Education.....	3	High School and Junior High School.....	6
Technique of Teaching.....	3	Advanced Therapeutic Gymnastics.....	2
Therapeutic Gymnastics and Physical Examinations.....	6	Practice Teaching.....	2
School Health Problems.....	3	Methods of Teaching Gymnastics, Sports, Dancing.....	6
Kinesiology.....	6	Physical Tests and Measurements.....	2
History of Physical Education.....	2	Camp Leadership.....	2
Scouting and other Adolescent Organizations.....	2	Academic Electives.....	6
Methods of Teaching Gymnastics, Sports, Dancing.....	6		
	34		32

For a description of the courses and information concerning admission and registration, see the University Bulletin which may be obtained upon request from The Registrar, 2033 G Street, The George Washington University. Registration period—September 20 to 23.

THE GEORGE WASHINGTON UNIVERSITY

(1821)

THE JUNIOR COLLEGE

COLUMBIAN COLLEGE

THE GRADUATE COUNCIL

THE SCHOOL OF MEDICINE

THE LAW SCHOOL

THE SCHOOL OF ENGINEERING

THE SCHOOL OF NURSING

THE SCHOOL OF PHARMACY

THE SCHOOL OF EDUCATION

THE SCHOOL OF GOVERNMENT

THE DIVISION OF LIBRARY SCIENCE

THE DIVISION OF FINE ARTS

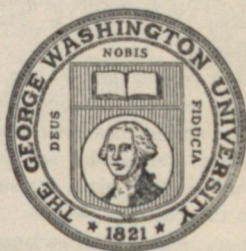
THE DIVISION OF SPECIAL AND EXTENSION STUDENTS

THE SUMMER SESSIONS

THE UNIVERSITY HOSPITAL

T H E
G E O R G E
W A S H I N G T O N
U N I V E R S I T Y
B U L L E T I N

L A W S C H O O L
S U M M E R S E S S I O N
1930



PUBLISHED BY THE UNIVERSITY
AT WASHINGTON, D. C.

January, 1930.

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
ROBERT WHITNEY BOLWELL, PH.D., *Director of the Summer Sessions.*

WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Dean of the Law School.*
CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law; Acting Dean for the Summer Session of 1930.*

HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law.*

EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law.*

WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*

CARL CRUMBIE WHEATON, A.B., LL.B., *Visiting Professor of Law (Professor of Law, St. Louis University Law School).*

WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*

SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., *Assistant Professor of Law.*

CARVILLE DICKINSON BENSON, JR., A.B., LL.B., S.J.D., *Assistant Professor of Law.*

HELEN NEWMAN, LL.M., *Secretary of the Law School.*

ANNA MARIE BISCHOFF, A.B., *Recorder for Law Registration.*

The Summer Session for 1930 will cover a period of thirteen weeks, divided into two terms of six and one-half weeks each. Classes in the first term will begin Monday, June 16, and end Saturday, July 26. Examinations will be held July 28, 29, and 30. Classes in the second term will begin Thursday, July 31, and end Wednesday, September 10. Examinations will be held September 11, 12, and 13. Friday, July 4, and Monday, September 1, will be holidays.

The Summer Session is a regular part of the work of the school. The character of the instruction and the amount and grade of work required are the same as that of the regular academic year. Rules and regulations as to attendance upon classes and grades are the same as in other parts of the academic year. Full credit is given for subjects completed by regularly qualified students in the Summer Session. Attendance credit is given for one-fifth of a part-time year for attendance upon one term of the Summer Session.

ADMISSION

The Law School is co-educational. Both men and women are admitted to the Summer Sessions and to the regular sessions upon the same terms.

The requirements for admission are the same as those for the regular sessions. For candidates for the degree of Bachelor of Laws the requirement is the completion before admission of two years of college work. Students from other law schools may be admitted for the Summer Sessions only as regular or as unclassified students. In all cases the credentials required for admission must be filed.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the Law School. Registration is not completed until the registration fee and the tuition fee for the term have been paid. Registration days for the Summer Session will be Friday and Saturday, June 13 and 14, and Tuesday and Wednesday, July 29 and 30. Except where special permission is given, students must register on the regular registration days. A late registration fee of \$5.00 will be charged each student who registers after the regular registration days. No registration may be made after the first week of a term of the Summer Session.

Change of Registration. Registration may be changed only with the permission of the Dean. A fee of \$2.00 will be charged for each change authorized after registration.

FEES

- | | |
|---|--------|
| 1. Registration fee | \$3.00 |
| 2. Tuition fee, per semester credit | 8.00 |
| 3. Late registration fee (for registration after the registration days) | 5.00 |

Fees for each session are payable in advance at the beginning of the session.

A student who is compelled to withdraw before the end of a term should apply to the Dean of the Law School at once for permission to withdraw. Until this application for withdrawal has been made and approved, the student is treated as still in registration. In case of a withdrawal during a term no credit of the fees for that term will be granted.

CREDIT

Students may obtain a maximum of four semester hours credit in each session by attendance in two subjects aggregating ten periods per week or by attendance in one subject ten periods per week.

HOURS OF RECITATION

The schedule is so arranged that work may be taken in the morning or in the late afternoon, or part in the morning and part in the late afternoon.

Classes in morning subjects are held from Tuesday to Saturday, inclusive; classes in afternoon subjects from Monday to Friday, inclusive.

COURSES OF INSTRUCTION

The figures in parenthesis indicate the number of semester credits given for the completion of the subject.

FIRST TERM—JUNE 16 TO JULY 30

(July 28, 29, and 30, will be used for examinations.)

FIRST YEAR SUBJECTS

Domestic Relations (See under Second and Third Year Subjects).

Torts (4)

Mr. Hunter

Bohlen's Cases on Torts. Monday to Friday, inclusive, 5:10 and 6:10 P. M. (The completion of this subject will satisfy the requirement of Torts for the degree.)

SECOND AND THIRD YEAR SUBJECTS

Domestic Relations (2)

Mr. Moll

Woodruff's Cases on Domestic Relations. Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.

Equity 11 (4)

Mr. Spaulding

Ames' Cases on Equity Jurisdiction, Volume 1. Monday to Friday, inclusive, 5:10 and 6:10 P. M.

Mortgages (2)

Mr. Collier

Kirchwey's Cases on Mortgages. Tuesday and Friday, 5:10 and 6:10 P. M.; Wednesday at 5:10 P. M.

Quasi-Contracts (2)

Mr. Moll

Thurston's Cases. Monday and Thursday at 5:10 and 6:10; Wednesday, 6:10 P. M.

Wills and Administration of Estates (4)

Mr. Oppenheim

Costigan's Cases on Wills, 2nd Edition. Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND TERM—JULY 31 TO SEPTEMBER 13

(September 11, 12, and 13 will be used for examinations.)

FIRST YEAR SUBJECTS

Agency (4) (See under Second and Third Year Subjects).

Personal Property (4)

Mr. Benson

Larremore's Cases on Personal Property and Morgan's Introduction to the Study of Law. Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND AND THIRD YEAR SUBJECTS

Agency (4)

Mr. Wheaton

Mechem's Cases (Seavey's Edition 1925). Monday to Friday, inclusive, 5:10 and 6:10 P. M.

Damages (2)

Mr. Arnold

Beale's Cases on Damages, 3rd Edition. Monday and Thursday, 5:10 and 6:10 P. M.; Wednesday, 6:10 P. M.

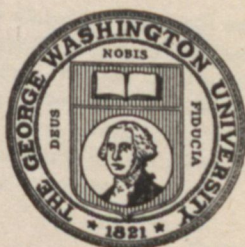
Property 111 (2)

Mr. Arnold

Kale's Cases on Future Interests. Tuesday and Friday, 5:10 and 6:10 P. M.; Wednesday at 5:10 P. M.

T H E
G E O R G E
W A S H I N G T O N
U N I V E R S I T Y
B U L L E T I N

The Organization of
THE
JUNIOR COLLEGE,
COLUMBIAN COLLEGE
AND
THE GRADUATE COUNCIL

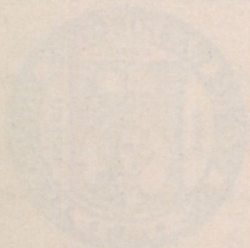


WASHINGTON, D. C.
1930

GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

THE
JUNIOR COLLEGE
COMMENTARY SERIES
AND
THE GRADUATE COURSE



WASHINGTON, D. C.
1930

FOREWORD

To the Members of the University:

The ordinances, providing for the organization of The Junior College, Columbian (senior) College, and The Graduate Council (School of Graduate Studies), have been adopted after a careful study of the needs of the University on the part of the administration and the faculties. These ordinances bring into being a program that returns to the "master-apprentice" relation of the guild system for its principles, and they so define the administrative procedures that they are constantly recognized as facilitating devices not to be confused with the educational principles involved.

The organization of The Junior College makes possible a closer relationship between the University and the secondary schools, between the officers of the University and the parents, and between the staff of instruction and the students.

Columbian College forms a new unit consisting of the junior and senior years of study which lead to the Bachelor's degree, and one year of advanced work leading to the Master's degree. In this senior college, subjects are ordered in related groups for effective teaching and fields of knowledge are organized to facilitate research. An Independent Study Plan provides for students having special aptitudes or interests.

The organization of the Graduate Council on the basis of a master-apprentice relationship emphasizes and fosters through cooperative endeavor creative ability in scholarship in both staff members and students. Under the plan, the work leading to the Doctor's degree is set apart as distinct professional training for the future research worker.

The George Washington University plan will succeed only in so far as the instructional staff remembers that the teacher's province is to order the university environment so that the student will be inspired to train himself, to be enthusiastic in the use of his mind, and to be fearless in the pursuit of knowledge. The freedom and companionship gained under the new plan provide opportunity for the stimulation of scholarly personality through the impact of character.

CLOYD H. MARVIN,
President.

15 June 1930.

THE NEW PROGRAMME

The faculties of Columbian College and The Graduate School of Letters and Sciences of The George Washington University have made the following fundamental changes in organization: (1) The freshman and sophomore years have been separated from the junior and senior years and assigned to an autonomous Junior College. (2) The title "Columbian College" has been retained and assigned to the Senior College, which will include not only the work of the junior and senior years leading to the Bachelor's degree, but also the additional year leading to the Master's degree. (3) Within the Senior College the departments of instruction have been organized into four divisions: The divisions of Languages and Literatures, of Mathematics and the Physical Sciences, of the Natural Sciences, and of the Social Sciences. (4) An Independent Study Plan has been established, which permits a closer and more personal relation between instructors and those of their students who are qualified to profit by exemption from formal course requirements because of demonstrated ability to do original work under guidance. (5) A council for graduate study has been organized, based entirely upon a "master-apprentice relation" between the professor and the student, which conceives the work for the doctor's degree as professional research training. Considered separately, there is nothing entirely new in any of these proposals, but their association in a comprehensive plan is a distinct educational advance.

THE JUNIOR COLLEGE

The Junior College includes the work of the freshman and sophomore years. It not only prepares students to enter the Senior College and the professional schools but also provides general education for those who do not look forward to four years of college. The courses of study are organized to furnish the basic training considered by the various higher divisions as necessary prerequisites for their work, together with such other cultural subjects as will make well-rounded curricula suited to these purposes. For such students the certificate awarded on the completion of the Junior College work is in the nature of a diploma.

The Junior College, which has been in successful operation in the West, has not gained such rapid acceptance in the East. A number of secondary schools have added Junior Colleges, but the universities have been slow in doing so, though the university Junior College has distinct advantages over the independent Junior College. This change is planned to provide a breadth of outlook and a maturity of instruction which are more difficult to attain in those Junior Colleges whose contacts are primarily with secondary schools.

Inasmuch as the Junior College acts as a service school to the professional schools and to the Senior College there is of necessity a revision of faculty alignment, resulting in part in an overlapping personnel composed, on the one hand, of instructors primarily engaged in Junior College work, and on the other, of representatives from the Senior College and from the professional schools. The Junior College faculty includes general and pre-professional advisers and other officers who deal with students in a personal way; such are the Director of Admissions, the Registrar, the Director of Women's Personnel Guidance, the Adviser to Students from Foreign Countries, and the Directors of Physical Education.

The Junior College affords a better transition between the secondary school and the University and provides a complete two-year course for those who want more training than the secondary school gives but cannot take a full college course. It makes for a more homogeneous grouping of students. Prior to the junior year, it provides for a more effective guidance of students through an effective advisory system with a board of advisers always available, and enables those who for one reason or another cannot or should not go further to terminate their work at a logical point without personal discredit.

Under the new plan the problems of admissions and advanced standing are greatly simplified and clarified for the Senior College, inasmuch as the completion of the Junior College course or its equivalent is required of students before they are admitted to the Senior College.

The unification, through the organization of the Junior College, of the lower division student bodies of the several schools and colleges of the

University makes possible the correlations of the social and recreational activities of freshmen with the problems of scholarship so that they may be handled with greater effectiveness. Technically, it simplifies registration, makes possible a better administration of physical education requirements, helps in attendance supervision and, it is believed, brings into being a closer cooperation with the parents, and with the secondary schools.

THE SENIOR COLLEGE

The Senior College continues the name and the traditions of Columbian College and embodies the principles of the new order in education without destroying the ideals of the past. It strikes a new note not only in its combination of the divisional organization, the Independent Study Plan, and the inclusion of the work for the Master's degree, but also in the progressive spirit which this combination brings about. The student is encouraged to go on for the third year, leading to the Master's degree.

DIVISIONAL ORGANIZATION

The Senior College includes the following divisions of instruction:

THE DIVISION OF LANGUAGES AND LITERATURES composed of:

- The Department of Classical Languages and Literatures
- The Department of English
- The Department of Germanic Languages and Literatures
- The Department of Romance Languages and Literatures

THE DIVISION OF MATHEMATICS AND THE PHYSICAL SCIENCES
composed of:

- The Department of Chemistry
- The Department of Mathematics
- The Department of Physics

THE DIVISION OF THE NATURAL SCIENCES composed of:

- The Department of Botany
- The Department of Geology and Geography
- The Department of Psychology
- The Department of Zoology

THE DIVISION OF THE SOCIAL SCIENCES composed of:

- The Department of Anthropology
- The Department of Economics
- The Department of History
- The Department of Philosophy
- The Department of Political Science
- The Department of Public Speaking
- The Department of Sociology

This grouping of departments into divisions provides for the instructional organization of the University as distinct from its administrative organization, and is based upon such factors as the relationship of content, the interrelation of methods and of prerequisites, and similarity of background and viewpoint. These groups are not considered as unrelated and self-sufficient, and it would be fatal to the whole plan so to consider them. It must be recognized that many contacts between divisions arise, and the full value of the organization, both for the instructors and for the students,

is realized only to the extent that such contacts are fostered and improved. With the small number of divisions, the allocations of departments may not prove consistent. If, in the light of experience, they prove to be inconsistent, and to hinder the proper development of such departments, other disposition may be made by the faculties of the University.

The divisional plan shifts the responsibility for courses and methods of instruction from the general faculty to the division, and coordinates isolated departments more intimately into the developing fields of knowledge. The plan recognizes the responsibility of both the departments and the divisions for methods of instruction, for the coordination of courses offered, for the individual courses to be given, and for the administration of the Independent Study Plan.

The appropriate divisional and departmental officers administer the educational requirements for the students majoring within the division. The general regulations for granting degrees, applied and carried out by the divisions and the departments, are determined by the faculty of the Senior College. Under this plan, control of instruction is primarily the function of the faculty, while the Dean is a student personnel officer.

The growth of fields of knowledge in recent years, together with the increase of specialization, has destroyed the community spirit of earlier faculties; while on the other hand, the lessened distinctions between the humanities, and the new developments of experimental science, have initiated movements in the direction of the institute type, wherein limited groups of scholars, whose primary interests were developed in remotely related fields, are brought together for work on common problems. Similar advantages are gained in this divisional grouping, in that scholars who understand each other's problems are brought together in mutually helpful ways. Fields of knowledge are substituted for highly specialized branches, and there are reestablished the old intellectual and functional contacts that gave the smaller colleges certain educational advantages which have been lost to a considerable degree by larger institutions.

Another important purpose of this plan is to strengthen the hands of the individual instructor by placing him in a sympathetic and helpful atmosphere, thereby encouraging him to do stronger and more creative work. So far as the institution is concerned, it maintains a democratic flexibility in organization, which assists the instructor to do good teaching.

In general, then, the divisional grouping makes for a simplification and a better definition of educational and administrative channels, and clarifies the distinction between personnel administration which falls to the Dean, and educational responsibility which falls to the faculty. It converts a heterogeneous collection of scholars into a community having coherence of interest, and creates a stimulating intellectual atmosphere which cannot but promote creative effort and produce a closer cooperation between related groups. It breaks down the artificial boundaries in the humanities

and in the sciences; it prevents duplication of courses and promotes such cooperation as already has begun in the University in the study of linguistics in The Division of Languages and Literatures and in courses given jointly by the Departments of Public Speaking and of Sociology in The Division of the Social Sciences.

INDEPENDENT STUDY PLAN

Under the Independent Study Plan in the Senior Collage a student of demonstrated capacity, with special interest in a course, may, upon approval of his project by the instructor in charge and by the Committee on Independent Study, be permitted to undertake independent study under the personal direction of the instructor.

The number of students who have flocked to our universities in the last two decades has created a situation which has made it almost impossible to pursue anything but mass education. Instead of the small classes of a generation ago there are now hundreds of students in many of the courses in our large universities. Individual contacts have largely disappeared and the personal relation between teacher and student, which was the essential factor in the development of so many of the great educators and leaders in America, has largely been lost.

The basic principle in any Independent Study Plan is that of the Guild System, the intimate relation of "master" and "fellow," of teacher and student. It is the oldest principle in education.

The Independent Study Plan does not contemplate any reorganization of the curriculum or of the courses now being given. The present course system will be maintained for no changes of present procedure are necessary. The fundamental courses, however, may now be highly individualized and vitalized wherever an individual student is obviously capable of going further than the average. The plan is one of selection, both on the part of the faculty member and on the part of the student. If the student has the capacity for carrying on independent study in any of the courses offered in the Senior College, and desires to do so, he will make arrangements for one semester at a time with those professors whose work he desires to carry, in one course or in more, according to his desire. With the work thus organized, any project may be terminated at the end of any semester at the option of either student or instructor. The professor to whom he applies may or may not accept the student, depending on his judgment as to the student's ability to carry the work and on his own resources as to time and material.

The fundamental reason for such a plan of master-fellow relationship is to encourage the development of the student of exceptional ability or of marked interest. The plan does not mean that all students capable of making high marks will elect to follow the Independent Study Plan, nor does

it mean that the professor must take the most brilliant student, unless he has the time and facilities, and feels assured that the student has the aptitude that will enable him to profit by the independent work. The project does not emphasize distinctions between superior and average students but gleans the creative minds from the student body, and gives them free opportunity to develop under mature guidance.

It further enables the individual members of the faculty, responsible for the development of the student, to evaluate the student's ability, to foster his self-confidence, to create in the student body an interest in the material dealt with in place of a desire for credits, to give a greater variation to the program offered to the student, to take cognizance of exceptional ability in individual students, and to recognize that work good for one student may not be of equal value to another.

The flexibility of the project makes it capable of as much expansion as may be desirable. It does not put a burden upon any individual member of the teaching staff.

It allows greater freedom to the instructor, since it permits him to concentrate his course instruction in the absolutely essential subjects, carrying the special topics, which now have to be organized into courses, through the Independent Study Plan.

It makes for better and freer teaching on the part of the faculty and creates a more wholesome reaction to that teaching on the part of the student body. It enables the teacher to recognize achievement on the part of the student as the fundamental objective, instead of conformity to rigid and formal course requirements.

MASTER OF ARTS DEGREE

There are different conceptions of the Master's degree. Some institutions regard it as a "little Ph.D.," others as a fifth year of college, and still others as a degree preparing for secondary school teaching.

Under the varied conceptions that prevail, the work for the Master's degree is more closely allied to the course system of instruction than to the research method. In many instances research methods are introduced into some of the courses taken by candidates for the Master's degree and into the thesis, but on the whole, the student works under the closest supervision of his instructor. On the other hand, the accepted idea of the disciplines for the Doctor's work is that they are to be measured in terms of creative abilities demonstrated through research and although much of the instruction has been conducted in courses, the student has been finally judged by what he has acquired on his own initiative. This requires a different organization of instruction from that required for the work of the Master's degree. The separation of the work for the Master's and the Doctor's degrees under the control of different organizations will

give free rein for the development of the latter into mature and creative research.

The conferring of the Master's degree by the Senior College is not a new and untried procedure. Many institutions without graduate faculties or organizations have for a long time been giving the Master's degree.

The transfer of the Master's degree from the Graduate School to the Senior College does not result in any way in a lowering of standards for the rules already adopted in the Graduate School will be carried over into the Senior College.

This transfer to the Senior College is also in harmony with the divisional organization and with the Independent Study Plan, and allows flexibility and definition in accordance with the methods and aims of the different divisions. Instead of taking, as he has in the past, a course primarily organized for juniors and seniors, with the addition of a term-paper, the candidate for the Master's degree is absorbed naturally into the Independent Study Plan and is enabled, by a combination of course work and independent study, to get an earlier introduction to the methods of research.

THE GRADUATE COUNCIL

An essential part of the new programme of the University is the organization of a Graduate Council or guild of scholars responsible for the direction of graduate students in research. The City of Washington, as is universally recognized, possesses unparalleled resources in trained personnel available for the direction and prosecution of scholarship work, and in source materials with which to work. These resources the council makes available for a carefully selected group of mature students.

The principles underlying the University programme, particularly the intimate "master-fellow" relationship between teacher and student and the discovery and development of creative ability, are applicable in a special sense to the field of research, and will be consistently followed in graduate work leading to the degree of Doctor of Philosophy. A statement of the graduate study programme is in preparation.

THE GEORGE WASHINGTON UNIVERSITY
(1821)

THE JUNIOR COLLEGE

COLUMBIAN COLLEGE

THE GRADUATE COUNCIL

THE SCHOOL OF MEDICINE

THE LAW SCHOOL

THE SCHOOL OF ENGINEERING

THE SCHOOL OF NURSING

THE SCHOOL OF PHARMACY

THE SCHOOL OF EDUCATION

THE SCHOOL OF GOVERNMENT

THE DIVISION OF LIBRARY SCIENCE

THE DIVISION OF FINE ARTS

THE DIVISION OF SPECIAL AND EXTENSION STUDENTS

THE SUMMER SESSIONS

THE UNIVERSITY HOSPITAL

T H E
G E O R G E
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U N I V E R S I T Y
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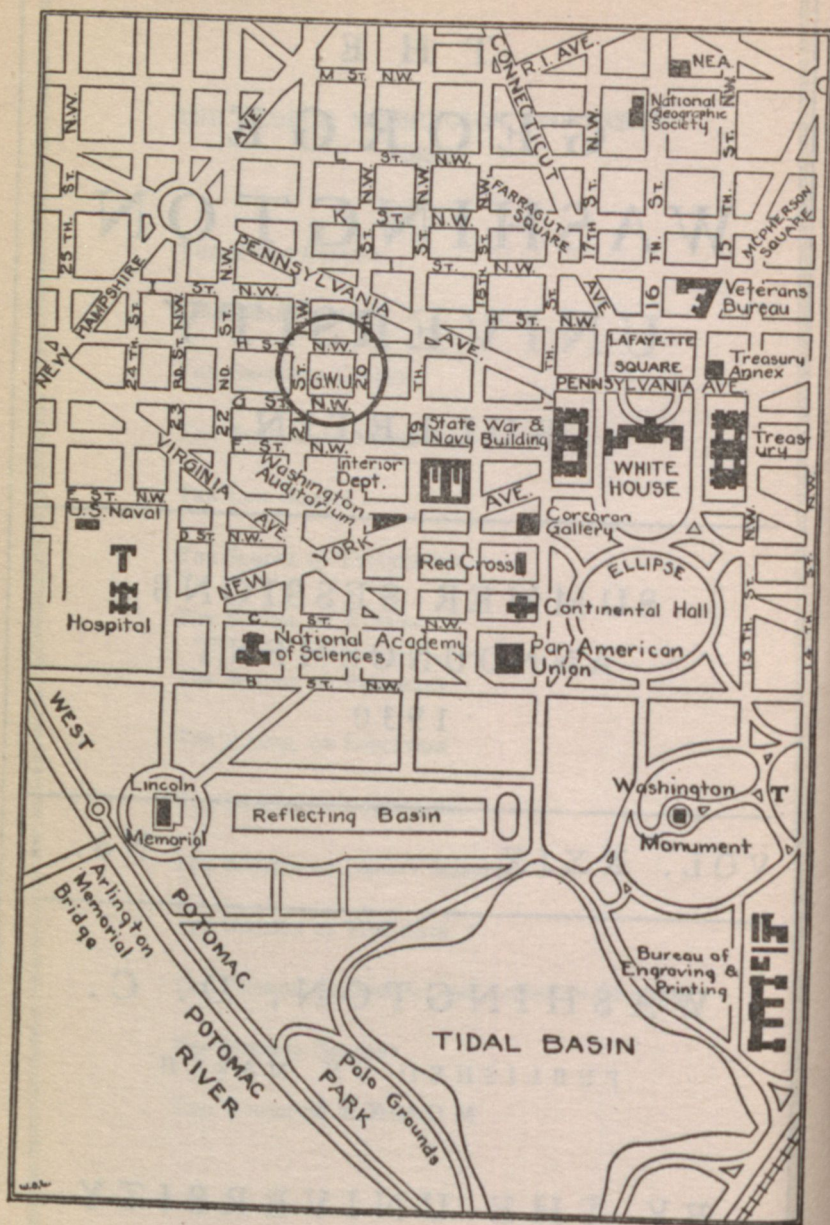
VOL. XXIX

No. 1

W A S H I N G T O N , D . C .

P U B L I S H E D I N M A R C H
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B Y T H E U N I V E R S I T Y



THE
GEORGE WASHINGTON UNIVERSITY

SUMMER SESSIONS
1930

ANNOUNCEMENT

Columbian College
The Graduate School of Letters and Sciences
The School of Engineering
The School of Education
The School of Government
The Division of Library Science
The Division of Fine Arts

Six-weeks term: June 30—August 9
Nine-weeks term: June 16—August 16

The Law School

First term: June 16—July 30
Second term: July 31—September 13

THE
GEORGE WASHINGTON UNIVERSITY

SUMMER SESSIONS

1950

DEPARTMENT OF

CLASSICAL STUDIES

The Institute of Letters and Languages

is pleased to announce

the following courses

for the Summer Session

The Institute of Letters and Languages

is pleased to announce

the following courses

for the Summer Session

The Institute of Letters and Languages

is pleased to announce

the following courses

for the Summer Session

The Institute of Letters and Languages

is pleased to announce

the following courses

for the Summer Session

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CALENDAR OF THE SUMMER SESSIONS

1930

June	13-14 <i>Friday— Saturday</i>	Registration period for all courses in the Summer Sessions.
June	16 <i>Monday</i>	Instruction begins in the nine-weeks courses and other courses not starred in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and in the first term of the Law School.
June	27-28 <i>Friday— Saturday</i>	Registration begins for six-weeks courses in all Schools and Divisions, except the Law School.
June	30 <i>Monday</i>	Instruction begins in the six-weeks courses [marked by a star (*)].
July	4 <i>Friday</i>	Holiday.
July	29-30 <i>Tuesday— Wednesday</i>	Registration period for second term in the Law School.
July	30 <i>Wednesday</i>	First term in the Law School ends.
July	31 <i>Thursday</i>	Second term in the Law School begins.
August	9 <i>Saturday</i>	Six-weeks courses in all Schools and Divisions, except Law, end.
August	16 <i>Saturday</i>	Nine-weeks courses in all Schools and Divisions, except Law, end.
September	13 <i>Saturday</i>	Second term in the Law School ends.

THE BOARD OF TRUSTEES

The PRESIDENT of the University, *ex-officio*, and the following persons by election:

1930

- NORVAL LANDON BURCHELL, A.M., LL.M., 817-819 14th Street.
KARL WILLIAM CORBY, B.S., Hibbs Building.
*HARRY CASSELL DAVIS, A.M., L.H.D., Wakefield Hall.
*MRS. JOSHUA EVANS, JR., A.B., 3405 Lowell Street.
CHARLES WILLIAM GERSTENBERG, LL.B., 70 Fifth Avenue, New York City.
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ASSISTANTS IN INSTRUCTION

JAMES LEWIS MONEYWAY, A.M.	Assistant in English
JAMES WHITLEY SUBER, B.S.	Fellow in Chemistry

THE SUMMER SESSIONS

1930

GENERAL STATEMENT

THE UNIVERSITY

The George Washington University is the successor of The Columbian College in the District of Columbia, which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

THE SUMMER SESSIONS

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses given during the regular session. Courses are offered in Columbian College, the Graduate School of Letters and Sciences, the Law School, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts.

The Summer Sessions offer to students an opportunity to continue university work during the summer period. For teachers and librarians a wide range of professional courses is available. The educational value of a visit to the nation's capital is of great importance, as the knowledge gained forms a background for both intelligent and appreciative citizenship. History, geography, literature, civics, and current events are all vivified by a first hand knowledge of Washington and its environment.

THE UNIVERSITY LIBRARY

The University Library containing 85,000 volumes consists of the general library, which includes special collections in Classical Philology, German, English, French, and Spanish; and departmental collections in Fine Arts, Library Science, and Engineering; and laboratorial collections in Botany, Zoology, and Chemistry; and the professional libraries in Law, Medicine, and Pharmacy. The Library is open from 8:30 A. M. to 9:30 P. M. every day except Saturday and Sunday throughout the summer terms.

Students have access to many other libraries in the District of Columbia, including the Library of Congress. Among the governmental and institutional collections are some of the most important special libraries in existence. The Public Library of the District of Columbia offers many advantages to students.

INFORMATION AND REGULATIONS

Reservation of Right to Change Rules. Registration in the University Summer Sessions is for one term at a time. Acceptance of a student does not in any way obligate the University to accept the student for any subsequent session. The right is reserved to drop any student, whenever, in the interest of the student or the University, the Faculty deems it advisable to do so. The Faculty reserves the right to modify or change requirements, rules, or fees of the University Summer Sessions.

ADMISSION

All departments of the University are open to men and women.

Registration Period. Students may enter Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, and the Division of Library Science at the beginning of either semester or of the summer terms. For the time of admission to the School of Medicine, the Law School, the School of Pharmacy, and the Division of Fine Arts, see the announcements of the schools.

General Requirements. The requirement for admission to Columbian College, the School of Engineering, the School of Pharmacy, the School of Government, and the Division of Fine Arts, is a certificate of graduation from a four-year high school course, or its equivalent, amounting to at least fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work. For prescribed studies, see the specifications of each school.

Candidates for admission may present certificates of admission or take entrance examinations.

Certificates. Certificates will be accepted only from accredited schools and must give in detail the grades obtained by the student, must specify the passing grade and the certifying grade, and must contain definite recommendations from the principal in regard to admission to college. The Director of Admissions will furnish, on application, certificate blanks to the principals of such schools. All records shall be certified on the blank provided by the University and must come directly to the Director of Admissions from the school concerned. Applicants presenting certificates from unaccredited schools will be admitted only on passing entrance examinations.

Examinations. Candidates for admission who do not furnish certificates of graduation from accredited high schools will take the examinations in the entrance subjects offered by the College Entrance Examination Board.

The examinations of the College Entrance Examination Board are held each spring in Washington and other centers. These examinations will be given in Washington at The George Washington University June 16-21, inclusive, 1930. Applications for examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City.

Conditions. A graduate from an approved high school who does not have the proper distribution of subjects to meet the prescribed units may be admitted, on condition, to courses other than the medical courses, if such irregularity is in not more than two units.

All conditions must be removed by the end of the freshman year (completion of 30 semester hours).

Description of Requirements. The fifteen units offered for admission to Columbian College, the School of Pharmacy, the School of Government, and the Division of Fine Arts, except the Department of Architecture, shall include: English 3 units; Language 2 units; Algebra 1 unit; Plane Geometry 1 unit; Electives 8 units; Total 15 units.

The fifteen units offered for the entrance to the School of Engineering shall include: English 3 units; Language 2 units; Physics 1 unit; History 1 unit; Chemistry 1 unit; Algebra 2 units; Plane and Solid Geometry $1\frac{1}{2}$ units; Trigonometry $\frac{1}{2}$ unit; Electives 3 units; Total 15 units.

The requirements for admission to the Department of Architecture shall include: English 3 units; Foreign Language (preferably French) 2 units; History 1 unit; Chemistry 1 unit; Plane and Solid Geometry $1\frac{1}{2}$ units; Elementary and Advanced Algebra 2 units; Plane Trigonometry $\frac{1}{2}$ unit; Electives 4 units; Total 15 units.

Detailed description of the requirements in each subject will be found in the general catalogue of the University.

Graduate and Professional Schools. For requirements for admission to the Graduate School of Letters and Sciences, the School of Medicine, the Law School, and the School of Nursing, see the announcements of the schools.

ADVANCED STANDING

Applicants for admission with advanced standing to undergraduate curricula are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various schools may be given for properly certified courses of study in accredited colleges and universities.

SPECIAL STUDENTS

Persons at least 21 years of age may apply for admission as special students. They must present a statement of work completed in accredited schools or colleges on the regularly accepted form of the University. If this certificate does not show that they have had the proper preliminary courses for the work they wish to pursue, they must obtain the permission of the department involved.

Special students may qualify for candidacy for a degree by meeting all the entrance requirements, but not more than one year's credit (thirty semester hours) earned as a special student may be counted toward a degree.

AUDITORS

With the permission of the instructor a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

RIGHT TO REFUSE ADMISSION

The University reserves the right to refuse admission to any student whose preparatory work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

REGISTRATION

Before attending any University class each student must present himself in person for registration. Students who have not previously filed satisfactory credentials (see Admission) are not eligible to register as candidates for degrees.

Registration period for the Summer Sessions:

Students in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts, will register in Corcoran Hall, 725 21st Street N.W. The time for registration is as follows: from 8 A. M. to 12 and from 2 to 6 P. M., June 13 and 14 for the nine-weeks term, and June 27 and 28 for the six-weeks term.

Registration for credit in any classes offered by Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, or the Division of Fine Arts, closes on the third day after the class has started, and no change in program will be permitted after that time. For registration procedure in the Law School consult the announcement of the School, page 26.

The Summer Sessions constitute a regular short term of the University. Students dropped or suspended from any department of the University for any reason may not register in the Summer Sessions during the period of suspension.

FEES AND EXPENSES

All fees are payable at the office of the Comptroller, 2033 G Street N.W.

A statement of the fees and regulations in the Law School will be found in the announcement of the school on page 27. The fees and regulations in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts are as follows:

Tuition Fee for each semester-hour of work taken	\$7.00
Registration Fee	3.00
Late Registration Fee	5.00
Reinstatement Fee	4.00

Laboratory Fees:

Architecture 1-2, 4, 25, 26, 27, 28, 125, 126, 127, 128, 141, 142	\$4.00
Botany 1 and 2, each	5.00
Chemistry 5 and 6, each	8.00
Chemistry 35, 36, 41, 42, 135, 136, 145, 146, 297, and 298, each	10.00
Civil Engineering 5	2.00
Education 136	2.00
Geology 1 and 2, each	3.00
Graphic Art 5-6, 21, 22, 105-106, 121-122, 123	3.00
Library Science	1.00
Physics 7 and 8, each	5.00
Physics 9 and 10, each	8.00
Psychology 120	3.00
Zoology 121-122	10.00

Breakage Deposits, the amount paid in excess of breakage to be returned:

Chemistry 5-6, 35-36, 135-136	\$15.00
Chemistry 41-42, 145-146, 297-298	20.00

Microscope Rental:

Zoology	\$7.00
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FINANCIAL REGULATIONS

Fees are due upon registration, but the nine-weeks students may pay their fees in three equal installments: at the time of registration, July 1, and July 15; and the six-weeks students in two equal installments, at the time of registration and July 15. Students whose fees are not paid in full three days after the final dates mentioned and who have not made arrangements with the Comptroller for later payment will be dropped.

Delinquency. No student may register in any department of the University who owes fees in any other department of the University, and no student may reregister in any year who owes fees from any previous year.

Auditors are charged the same fees as students who register for credit.

High school and other scholarships do not apply to work taken during the Summer Sessions.

WITHDRAWAL

Students who are compelled to withdraw before the end of the session should promptly notify the Dean of the college or school in which they are registered. Refunds of periodical payments will not be made. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

No permission to withdraw and no certificate of work done will be given a student unless all fees and dues chargeable up to the date of official withdrawal have been paid. A STUDENT IS LIABLE FOR ALL CHARGES FOR COURSES FOR WHICH HE HAS REGISTERED UNTIL DUE NOTICE OF WITHDRAWAL IS RECEIVED BY THE DEAN. NOTICE TO AN INSTRUCTOR OF WITHDRAWAL DOES NOT CONSTITUTE DUE NOTICE OF WITHDRAWAL.

EMPLOYMENT

The University maintains an employment bureau, which will assist prospective students to find employment. Prospective students should have the means of support for at least half a year to give them time to secure positions. Summer students are advised to plan on earning only a small proportion of their expenses during the Summer Sessions.

Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a limited college course in the late afternoon.

HOUSING FACILITIES

The George Washington University maintains no dormitories. For the benefit of non-resident students, registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually cost from twenty to thirty dollars a month, and double, from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

The Director of Women's Personnel Guidance will mail lists of houses on request. Since renting by mail is unsatisfactory students are advised to make personal inspection before engaging rooms.

All women students under twenty-three years of age must have their residence approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

AMOUNT OF WORK

- a. No student may take more than three courses aggregating 9 semester-hours of credit. No part-time student may take more than two courses aggregating 6 semester-hours of credit.
- b. Students registered only during the six-weeks term may take not more than three courses aggregating 6 semester-hours of credit. Part-time students in the six-weeks term may take not more than two courses aggregating 4 semester-hours of credit.
- c. Students in the Law School may take not more than 4 semester-hours in each summer term.

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and the first tuition payment has been made. Regular attendance is required.

GRADES

As soon as possible after the close of the Session reports are issued to students through the office of the Registrar. Grades are not given out by instructors.

The following grades are given in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts:

A (90-100), excellent; B (80-89), good; C (70-79), average; D (60-69), passing; E (below 60), condition, not passing; F, failure; Incomplete.

A condition may be made up with the grade D by compliance with conditions set by the instructor. The grade F may not be made up and credit may be received only by repeating the course. No graduate credit is given for courses with the grade D.

TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request direct to other institutions. Copies of records will be furnished to students on request. No charge is made for the first transcript or copy; a fee of one dollar is charged for each one thereafter.

REGULATIONS GOVERNING STUDENTS

Conduct. A student enrolled in the University is required to obey the general University regulations and to comply with the rules and regulations of the faculty of the college in which he is registered and to conduct himself at all times with decorum and propriety. On failure to comply with any regulation, or because of unseemly conduct, the student may be placed on probation by the Dean of his college, or may be recommended for suspension or expulsion from the University.

Personal Property. The University is not responsible for the loss of personal property belonging to students in any building occupied by the University.

CLUB PRIVILEGES

For the benefit of out-of-town students, summer privileges (subject to certain limitations) have been granted by the Washington Branch of the American Association of University Women and by the University Club of Washington. Under this arrangement many students may enjoy the use of these club houses and contact with its membership by applying to the Director of the Summer Sessions.

COLUMBIAN COLLEGE

HENRY GRATTAN DOYLE, A.M., *Acting Dean of the College.*

Columbian College, the college of letters and sciences of The George Washington University, was founded in 1821. This college offers courses leading to the degrees of Bachelor of Arts, Bachelor of Science, and pre-professional courses.

ADMISSION

See general admission requirements on page 16.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree, the student must satisfy the admission and curriculum requirements. The curriculum requirements include 120 semester-hours of undergraduate courses, at least 30 semester-hours of which must be completed in Columbian College. The requirements in Physical Education must also be fulfilled. Residence may be satisfied in whole or in part in the Summer Sessions by periods aggregating not less than thirty weeks. For additional information regarding requirements, see the Columbian College announcement in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

JOHN DONALDSON, Ph.D., *Acting Dean of the School.*

The Graduate School of Letters and Sciences was founded in 1893. Higher degrees conferred in course by the University in this school are Master of Arts and Doctor of Philosophy.

ADMISSION

To be admitted to candidacy for a higher degree a student must usually present a Bachelor's degree from an accredited institution. Students from non-accredited institutions may be admitted, at the discretion of the Graduate Council. Such students will be required to take such extra work above minimum requirements for the degree sought as may be prescribed, and will not be admitted to candidacy for a higher degree unless so recommended by the major department after the completion of at least one semester's work. The course of study pursued for the Bachelor's degree must have been such as to qualify the candidate for pursuing the subjects chosen for the higher degree sought.

Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

Candidates for admission to courses for the degrees of Master of Arts and of Doctor of Philosophy must make application to the Dean of the Graduate School of Letters and Sciences.

Properly qualified students may be admitted as *Students in Attendance*, without becoming candidates for degrees.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Master of Arts may be satisfied by Summer Session attendance. These requirements include, in addition to the thesis, the satisfactory completion of 24 semester-hours of work forming a consistent plan of study, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each, or four summer terms of six weeks each; and a final general examination on the major subject. The candidate's choice of subjects must be approved by his major department and by the Dean of the Graduate School of Letters and Sciences. Students should consult the Dean and the Chairman of the major department before registering. For a detailed statement of the requirements for the degrees of Master of Arts and of Doctor of Philosophy, the student is referred to the announcement of the Graduate School of Letters and Sciences in the general catalogue.

COURSES OF INSTRUCTION

Credit

Courses numbered 1-99 may under no circumstances count toward any higher degree, though a graduate student may be allowed to take them without receiving credit. Courses numbered 100-199 may count toward a higher degree only when the candidate secures at the time of registration the written approval of the department concerned and completes the extra work required for graduate credit in such courses. All courses numbered 200 or above may be counted toward a higher degree.

Courses Offered

Statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

THE LAW SCHOOL

CHARLES SAGER COLLIER, A.B., LL.B., *Acting Dean of the School.*

The Law School, established in 1865, is the oldest in the District of Columbia. It is a member of the Association of American Law Schools, and is approved by the Council of Legal Education of the American Bar Association. The degrees of Bachelor of Laws and Master of Laws are conferred.

The Summer Sessions will cover a period of thirteen weeks, divided into two terms of six and one-half weeks each. Classes in the first term will begin Monday, June 16, and end Saturday, July 26. Examinations will be held July 28, 29, 30. Classes in the second term will begin Thursday, July 31, and end Wednesday, September 10. Examinations will be held September 11, 12, 13. Friday, July 4, and Monday, September 1, will be holidays.

The Summer Sessions are a regular part of the work of the School. The character of the instruction and the amount and grade of work required are the same as that of the regular academic year. Rules and regulations as to attendance upon classes and grades are the same as in other parts of the academic year. Full credit is given for subjects completed by regularly qualified students in the Summer Sessions. Attendance credit is given for one-fifth of a part-time year for attendance upon one term of the Summer Sessions. A part-time year is three-fourths of a full-time year and one-fourth of the attendance requirement for the degree of Bachelor of Laws.

ADMISSION

The requirements for admission are the same as those for the regular session, as stated in the Law School announcement in the general catalogue. For candidates for the degree of Bachelor of Laws the requirement is the completion before admission of two years of college work, 60 semester-hours. Students from other law schools may be admitted for the Summer Sessions only as regular or as unclassified students.

Registration should be completed on the registration days, June 13 and 14, and July 29 and 30. Students may register for one or both terms. No students will be permitted to register after the first week of a term.

REQUIREMENTS FOR DEGREES

See the Law School announcement in the general catalogue.

FEES

1. Registration fee	\$3.00
2. Tuition fee, per semester credit	8.00
3. Late registration fee	5.00

Fees for each term are payable in advance at the beginning of the term.

A student who is compelled to withdraw before the end of a term should apply to the Dean of the Law School at once for permission to withdraw. Until this application for withdrawal has been made and approved, the student is treated as still in registration. In case of a withdrawal during a term no refund of fees will be granted.

CREDIT

Students may obtain a maximum of 4 semester-hours credit in each term by attendance in two subjects aggregating ten periods per week, or by attendance in one subject ten periods a week.

COURSES OF INSTRUCTION

The schedule is so arranged that work may be taken in the morning or in the late afternoon, or part in the morning and part in the late afternoon.

Classes in morning subjects are held from Tuesday to Saturday, inclusive; classes in afternoon subjects from Monday to Friday, inclusive.

Statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of several states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 10:00 P. M., Monday to Friday, inclusive, and from 9:00 A. M. to 1:00 P. M. on Saturday.

THE SCHOOL OF ENGINEERING

JOHN RAYMOND LAPHAM, M.S. in C.E., *Dean of the School.*

The School of Engineering was organized in 1884 under the name of the Corcoran Scientific School of the University. This school offers courses leading to the Bachelor of Science degree in Civil Engineering, Electrical Engineering, and Mechanical Engineering.

ADMISSION

See general admission requirements on page 16.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree a student must satisfy all entrance requirements and complete at least 144 semester-hours of undergraduate work in accordance with the curriculum specifications of the degree for which he is registered. At least 35 semester-hours must be completed at The George Washington University.

Full description of requirements for degrees will be found in the announcement of the School of Engineering in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

THE SCHOOL OF EDUCATION

WILLIAM CULLEN FRENCH, Ph.D., *Acting Dean of the School.*

The School of Education in The George Washington University was established in 1907. It is the purpose of this school to prepare teachers, supervisors, and administrators for the higher ranges of educational service. The schedule of courses is arranged so as to meet the convenience of both full-time and part-time students. By attending the Summer Session, afternoon, and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions. Both undergraduate and graduate courses are offered.

DEGREES GRANTED

The degrees of Bachelor of Arts in Education, Master of Arts, and Doctor of Philosophy are granted.

ADMISSION

Admission to the undergraduate division is based on the completion of two years of approved college work or on graduation from an approved two-year normal school. Others may be admitted as special students to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage.

For admission to graduate standing a candidate must possess a baccalaureate degree from an accredited school or college or have equivalent academic standing. For admission to candidacy for the degree of Doctor of Philosophy special oral and written examinations are required.

REQUIREMENTS FOR GRADUATION

Including the work completed in a normal school or in the freshman and sophomore years in college, and the specified curriculum requirements, the degree of Bachelor of Arts in Education is conferred on the satisfactory completion of at least 126 semester hours of work. A minimum of 30 semester-hours of work must be completed in residence. Summer session work may be counted on residence but the periods of attendance may not aggregate less than thirty weeks.

For a detailed statement of the requirements for graduation, including the degrees of A.M. and Ph.D., see the general catalogue.

COURSES OF INSTRUCTION

Courses offered in the Summer Sessions are listed in alphabetical order beginning on page 34.

THE SCHOOL OF GOVERNMENT

_____, *Dean of the School.**

The School of Government was organized in 1928. The purpose of the School is to help men and women prepare for public service through a study of the history and economics, the structure and function of government and social organization. A four-year course of study is offered, leading to the degree of Bachelor of Arts in Government.

ADMISSION

See general admission requirements on page 16.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree, the student must satisfy the admission and curriculum requirements. Curriculum requirements include 120 semester-hours of work, at least 30 semester-hours of which, or 24 hours in the combined courses, and one year of residence, must be completed in the School of Government. Physical education requirements must be satisfied as in Columbian College. Residence may be satisfied in whole or in part, in the Summer Session by periods aggregating not less than thirty weeks. For additional information regarding requirements, see the School of Government announcement in the general catalogue.

COURSES OF INSTRUCTION

A statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

*For information, write to the office of the President

THE DIVISION OF LIBRARY SCIENCE

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Director of the Division.*

The courses in Library Science are designed to give to students professional training in conjunction with a general background required of majors, that will prepare and equip them to enter as University graduates upon the work of Library Service. A two-year course is offered, leading to the degree of Bachelor of Arts in Library Science.

ADMISSION

Requirements. The Certificate of Junior Standing from Columbian College or its equivalent will be accepted for admission to The Division of Library Science. It is recommended that students expecting to enter the division should have at least two years of either French or German, courses in general psychology, principles of sociology, and a knowledge of typewriting.

Special Students. Persons not candidates for degrees may do the work as special students. Such students must be twenty-one years of age or over and must satisfy the department of their fitness to undertake the course.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree the candidate must have obtained the certificate of junior standing and satisfied the residence and the curriculum requirements of the Division, which include 60 semester-hours of work. Not less than 30 semester-hours must have been acquired in the Division of Library Science. Residence may be satisfied in the Summer Session by periods aggregating not less than thirty weeks.

For full description of the requirements for the degree, see the announcement of the Division of Library Science in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

THE DIVISION OF FINE ARTS

NORRIS INGERSOLL CRANDALL, M.Arch., *Director of the Division.*

The Division of Fine Arts is composed of the Department of Architecture which offers a four-year professional course leading to the degree of Bachelor of Architecture; and the Department of Graphic Art which offers courses in which the student may earn the degree of Bachelor of Arts with a major in Art.

ADMISSION

For general admission requirements see page 16.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree, the candidate must have satisfied the admission, residence, physical education, and scholarship requirements, and have completed the course of study prescribed. For the degree of Bachelor of Architecture, 140 semester-hours of credit are required. For the degree of Bachelor of Arts, 124 semester-hours of credit are required. For full details of the requirements for the degrees, see the announcement of the Division of Fine Arts in the general catalogue.

COURSES OF INSTRUCTION

A statement of courses offered in the Summer Sessions will be found listed in alphabetical order beginning on page 34.

COURSES OF INSTRUCTION

Courses preceded by a star (*) begin on June 30, all other courses begin on June 16, unless otherwise stated. Courses corresponding approximately to those offered during the regular session of 1929-1930 are given corresponding numbers. The number of semester-hours credit given is indicated in parenthesis following the name of the course.

Courses in which the registration is less than ten students may be withdrawn.

Unless otherwise stated classes meet daily except Saturday.

Major: Candidates for degrees taking major work in any of the divisions of instruction in which summer courses are given are advised to consult the statement of major requirements in the general catalogue before selecting courses.

BOTANY

PAUL WILLIAM BOWMAN, A.M., *Instructor in Botany, Acting Executive Officer.*

JOHN RUNYON LARGE, M.S., *Instructor in Botany.*

*1. *General Botany* (3)

Large

The living plant: structure and function of the flowering plant as a working mechanism. General culture course or a foundation for those planning to specialize in Botany.

Lecture-Laboratory daily, 10:10-12:00 A. M. Material fee, \$5.00.

*2. *General Botany* (3)

Bowman and Large

The plant kingdom: survey of the principal groups of plants followed by practice in naming the native plants.

Lecture-Laboratory daily, 5:10-7:00 P. M. Material fee, \$5.00.

*5. *Nature Study—Plants* (4)

Bowman

Excursions to the localities of botanical interest around Washington; first-hand study of the plant-life of the region; and practice in naming plants. No prerequisite.

Daily, 1:30-4:30 P. M.

211. *Research*

Bowman

Competent students may take up individual problems. It is especially recommended that those planning to undertake graduate work during the regular session carry forward field work during the summer when the plant material in the necessary stages may be studied.

Hours and credits to be arranged.

NOTE: Courses 1 and 2 are equivalent to the general course given in the regular session. Either may be taken independently, or either, combined with course 5, will satisfy the science requirement for the B. A. degree.

CHEMISTRY

BENJAMIN DOUGLASS VAN EVERA, M.S., *Instructor in Chemistry, Acting Executive Officer.*

CAREY BIRDSONG JACKSON, M.S., *Instructor in Chemistry.*

†5-6. *General Chemistry* (4-4) Van Evera and Assistant
Prerequisite: High School Chemistry. Lecture—Daily, 8:10 to 9:15 A. M.; Laboratory—Daily, 9:25 A. M. to 1:00 P. M. Material fee, \$8.00 a semester; breakage deposit, \$15.00.

35-36. *Inorganic Chemistry* (2-2) Van Evera
Prerequisite: Course 4 or 6. Laboratory—Daily, 9:25 A. M. to 1:00 P. M. Material fee, \$10.00 a semester; breakage deposit, \$15.00.

†41-42. *Organic Chemistry* (4-4) Jackson and Assistant
Prerequisite: Course 4 or 6. Lecture—Daily, 8:10 to 9:15 A. M.; Laboratory—Daily, 9:25 A. M. to 1:00 P. M. Material fee, \$10.00 a semester; breakage deposit, \$20.00.

135-136. *Inorganic Chemistry* (2-2) Van Evera
Prerequisite: Course 12. Laboratory—Daily, 9:25 A. M. to 1:00 P. M. Material fee, \$10.00 a semester; breakage deposit, \$15.00.

145-146. *Organic Chemistry* (2-2) Jackson
Prerequisite: Course 42. Laboratory—Daily, 9:25 A. M. to 1:00 P. M. Material fee, \$10.00 a semester; breakage deposit, \$20.00.

†297-298. *Research* (3-3) The Staff
Organic Chemistry, by special arrangement only. Material fee, \$10.00 a semester; breakage deposit, \$20.00.

† Must be taken as combined course; no credit for separate units
NOTE: The second half of the above courses begins July 17.

ECONOMICS

JOHN DONALDSON, Ph.D., *Professor of Political Economy, Executive Officer.*

RICHARD NORMAN OWENS, C.P.A., Ph.D., *Professor of Accounting and Business Administration.*

HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Economics.*

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| †1-2. <i>Principles of Economics</i> (3-3) | Sutton |
| Daily, 6:10 to 8:00 P. M. | |
| †21-22. <i>Principles of Accounting</i> (3-3) | Owens |
| Daily, 5:10 to 7:00 P. M. | |
| †109-110. <i>Commercial Geography</i> (3-3) | Donaldson |
| Daily, 5:10 to 7:00 P. M. | |
| 136. <i>Investments</i> (3) | Sutton |
| Prerequisite: Courses 1-2. Daily, 5:10 P. M. | |
| 145. <i>Managerial Accounting</i> (3) | Owens |
| Prerequisite: Courses 21-22. Daily, 7:00 P. M. | |
| 251. <i>Seminar in Economic Problems</i> (3) | Donaldson |
| National and international economic problems. | Wednesday |
| at 7:30 P. M. | |

† Must be taken as combined course; no credit for separate units.

EDUCATION

WILLIAM CULLEN FRENCH, Ph.D., *Professor of Education, Acting Executive Officer.*

TENJES HENRY SCHUTTE, Ph.D., *Visiting Professor of Education.*

EHRLICH EDWARD SMITH, A.M., *Visiting Professor of Education.*

J. ORIN POWERS, Ph.D., *Associate Professor of Education.*

THELMA HUNT, Ph.D., *Instructor in Psychology.*

BERNICE RANDALL ANGELICO, A.B., *Instructor in Music.*

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- *103. *Psychology for Teachers* (2) Hunt
See Psychology 103. Daily, 10:40 A. M.
111. *History of Education* (3) Powers
A course in the development of educational theory and practice from ancient times to the present. This course may be entered June 30 for two semester-hours of credit. Daily, 7:40 A. M.
- *119. *Educational Sociology* (2) Willard
See Sociology 119. Daily, 8:40 A. M.
- *120. *School and Community* (2) Willard
See Sociology 120. Daily, 10:40 A. M.
- *120. *Psychological Tests* (2) Hunt
See Psychology 120. Daily, 11:40 A. M.
- *126. *Technique of Teaching* (2) Smith
A course in directing the learning process with special reference to the nature and meaning of the subject-matter taught. Daily, 9:40 A. M.
131. *Statistics in Psychology and Education* (3) Hunt
See Psychology 131. Daily, 6:10 P. M.
- *136. *Tests and Measurements* (2) Schutte
The status and significance of measurement in education and the utilization of data obtained in guiding instruction and study. Material fee, \$2.00. Daily, 10:40 A. M.
- *143. *Trends in Elementary Education* (2) Smith
A survey of tendencies in elementary education with special reference to underlying principles. Daily, 11:40 A. M.

- *151. *The High School* (2) Schutte
Recent growth in secondary education; aims and functions; reorganization; program of study; classification and guidance; extra-curricular activities; plant; costs; standardization. Daily, 7:40 A. M.
- *152. *The Junior High School* (2) Powers
Special purposes; types of reorganization; history of the movement; the program of studies; classification of pupils. Daily, 9:40 A. M.
- *157. *The Social Studies* (2) Schutte
The teaching of history, geography, etc., with special reference to junior and senior high schools. Daily, 8:40 A. M.
- *164. *Public School Music* (2) Angelico
See Music 164. Daily, 10:40 A. M.
173. *Teaching of Public Speaking* (3) Yeager
See Public Speaking 173. Daily, 7:40 A. M.
- *187. *Elementary School Supervision* (2) Smith
Principles of constructive supervision; the functions and opportunities of the principal; special supervisors. Daily, 8:40 A. M.
- *247. *Seminar* (3) French
Problems in elementary education; survey of inductive studies; investigations and reports. Daily, 9:40 A. M.
- *285. *Seminar* (3) Powers
High school supervision. Daily, 11:40 A. M.

ENGINEERING

JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering, Executive Officer.*

OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*

5. *Civil Engineering (2)*

French

Elementary Surveying. The use of the compass, transit, and level. Lecture recitation daily, 5:10 to 7:00 P. M.; field work Saturdays, 1:00 to 7:00 P. M., begins June 16. Text book, Volume I of Surveying by Breed and Hosmer. Surveying fee, \$2.00.

*25-26. *Civil Engineering (2-2)*

Lapham

Materials of Construction. Non-metallic materials with emphasis on cement. Metallic materials with emphasis on iron and steel. Textbook work is supplemented by special topics and by trips to testing laboratories and manufacturing plants. Daily, 5:10 to 7:00 P. M., for six-week session beginning June 30.

ENGLISH

WILLIAM ALLEN WILBUR, A.M., Litt.D., *Professor of English.*

ROBERT WHITNEY BOLWELL, Ph.D., *Professor of American Literature.*

ERNEST SEWALL SHEPARD, A.M., *Instructor in English, Acting Executive Officer.*

PAUL SWAIN HAVENS, B.Litt., (Oxon), *Visiting Instructor in English.*

JAMES LEWIS MONEYWAY, A.M., *Assistant in English.*

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| *1. <i>English Rhetoric</i> (3) | Wilbur and Moneyway |
| First half. Daily, 5:10 P. M. | |
| *2. <i>English Rhetoric</i> (3) | Wilbur and Moneyway |
| Second half. Daily, 6:10 P. M. | |
| 51. <i>Survey of English Literature</i> (3) | Shepard |
| First half. Daily, 5:10 P. M. | |
| 52. <i>Survey of English Literature</i> (3) | Shepard |
| Second half. Daily, 6:10 P. M. | |
| 130. <i>Renaissance and Elizabethan Literature</i> (3) | _____ |
| Daily, 5:10 P. M. | |
| *131. <i>Seventeenth Century Literature</i> (2) | Havens |
| Daily, 9:40 A. M. | |
| *135. <i>Shakespeare</i> (2) | Wilbur |
| Daily, 4:10 P. M. | |
| 142. <i>The Age of Pope</i> (3) | Shepard |
| Daily, 7:00 P. M. | |
| *151. <i>The Romantic Movement</i> (2) | Havens |
| Daily, 11:40 A. M. | |
| *161. <i>Victorian Poetry</i> (2) | Havens |
| Daily, 10:40 A. M. | |
| 186. <i>Elizabethan Drama</i> (3) | _____ |
| Daily, 6:10 P. M. | |
| 189. <i>Nineteenth Century Drama</i> (3) | _____ |
| Daily, 7:00 P. M. | |
| 271. <i>Studies in American Literature</i> (3) | Bolwell |
| Graduate seminar. Hours to be arranged with instructor. | |

FINE ARTS

NORRIS INGERSOLL CRANDALL, M.Arch., *Professor of Architecture, Executive Officer.*

DONALD CHENOWETH KLINE, B.Arch., *Instructor in Architecture.*

EUGEN WEISZ, *Associate in Graphic Art.*

ARCHITECTURE

- *1-2. *Architectural Drawing* (2) Kline
Stone jointing, freehand lettering, and mechanical perspective. Daily, 5:10 to 7:40 P. M.
- *4. *Shades and Shadows* (2) Kline
Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Descriptive Geometry. Daily, 5:10 to 7:40 P. M.
- *25. *Freshman Design* (2) Kline
Classical orders and their application to simple architectural subjects. Daily, 5:10 to 7:40 P. M.
- *26. *Freshman Design* (2) Kline
Simple problems in architectural design. Prerequisite: Architecture 25. Daily, 5:10 to 7:40 P. M.
- *27. *Sophomore Design* (2) Kline
Analytique and sketch problems. Daily, 5:10 to 7:40 P. M.
- *28. *Sophomore Design* (2) Kline
Project and sketch problems. Daily, 5:10 to 7:40 P. M.
- *125. *Junior Design* (2) Crandall
Daily, 5:10 to 7:40 P. M.
- *126. *Junior Design* (2) Crandall
Daily, 5:10 to 7:40 P. M.
- *127. *Senior Design* (2) Crandall
Daily, 5:10 to 7:40 P. M.

- *128. *Senior Design* (2) Crandall
Daily, 5:10 to 7:40 P. M.

- *141. *Office Practice* (2) Crandall
Working drawings, details, and specifications. Prerequisite:
Architectural Construction. Daily, 5:10 to 7:40 P. M.

- *142. *Office Practice* (2) Crandall
Continuation of Architecture 141. Daily, 5:10 to 7:40 P. M.

GRAPHIC ART

- *5-6. *Pencil Sketching* (2) Weisz
Elementary instruction in the technique of sketching landscape
and architectural subjects. Section A, 8:40 to 11:00 A. M.;
Section B, 5:10 to 7:40 P. M., daily.

- *21. *Water Color* (2)) Weisz
Elementary instruction in the technique of sketching landscape
and architectural subjects. Section A, 8:40 to 11:00 A. M.;
Section B, 5:10 to 7:40 P. M., daily.

- *22. *Water Color* (2) Weisz
Continuation of Graphic Art 21. Section A, 8:40 to 11:00
A. M.; Section B, 5:10 to 7:40 P. M., daily.

- *105-106. *Advanced Pencil Sketching* (2) Weisz
Sketching and composition of landscape and architectural sub-
jects. Section A, 8:40 to 11:00 A. M.; Section B, 5:10 to 7:40
P. M., daily.

- *121-122. *Advanced Water Color* (2) Weisz
Sketching and composition of landscape and architectural sub-
jects. Section A, 8:40 to 11:00 A. M.; Section B, 5:10 to 7:40
P. M., daily.

- *123. *Sketching in Oil* (2) Weisz
The technique and composition of landscape and architectural
subjects. Section A, 8:40 to 11:00 A. M.; Section B, 5:10 to
7:40 P. M., daily.

NOTE: A model will be provided for the more advanced students.
Architecture fee, \$4.00 for each course.
Graphic Art fee, \$3.00 for each course.

GEOLOGY

RAY SMITH BASSLER, Ph.D., *Professor of Geology, Executive Officer.*

EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*

- 1-2. *Elementary Mineralogy* (2-2) Henderson
Material fee \$3.00 a semester. Daily, 7:40 A. M.
- *21-22. *Physical and Historical Geology* (3-3) Bassler
Daily, 5:10 to 7:00 P. M. Laboratory and field work every
Saturday afternoon and at other times to be arranged.
- 215-216. *Advanced Geology* Bassler
Credit and hours to be arranged.

GERMANIC LANGUAGE AND LITERATURE

PAUL EUGENE GROPP, A.M., *Instructor in German.*

- 1-2. *Elementary German* (3) Gropp
Daily, 5:10 to 6:00 P. M.
- 5-6. *Second Year German* (3) Gropp
Daily, 6:10 to 7:00 P. M.
9. *Scientific German* (3) Gropp
Daily, 7:40 A. M.

HISTORY

LOWELL JOSEPH RAGATZ, Ph.D., *Assistant Professor of History, Acting Executive Officer.*

A. CURTIS WILGUS, Ph.D., *Visiting Assistant Professor of History.*

WESLEY T. CRAVEN, Ph.D., *Visiting Instructor in History.*

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| 1. | <i>American History</i> (3)
Survey to 1830. Daily, 6:10 P. M. | Wilgus |
| 35. | <i>General European History</i> (3)
Medieval Times. Daily, 5:10 P. M. | Ragatz |
| *110. | <i>The American Colonies and
the British Imperial Problem</i> (2)
Daily, 9:40 A. M. | Craven |
| 143. | <i>Modern Imperialism</i> (3)
Daily, 7:40 A. M. | Ragatz |
| *150. | <i>Europe Since 1914</i> (2)
Daily, 4:10 P. M. | Ragatz |
| 152. | <i>English History</i> (3)
Survey since 1603. Daily, 6:10 P. M. | Craven |
| 176. | <i>Latin-American History</i> (3)
Daily, 7:40 A. M. | Wilgus |
| *201. | <i>The Recognition Period</i> (2)
Pro-seminar in Latin-American History. Hours to be arranged
with instructor. | Wilgus |
| 297. | <i>England under the Stuarts</i> (3)
Seminar. Hours to be arranged with the instructor. | Craven |

LAW

- CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law, Executive Officer*,
HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law*.
EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law*.
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law*.
CARL CRUMBIE WHEATON, A.B., LL.B., *Visiting Professor of Law*.
WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law*.
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., *Assistant Professor of Law*.
CARVILLE DICKINSON BENSON, JR., A.B., LL.B., S.J.D., *Assistant Professor of Law*.

FIRST TERM

June 16-July 30

(July 28, 29, and 30, will be used for examinations)

FIRST YEAR SUBJECTS

170. *Domestic Relations* (See under Second and Third Year Subjects).
141. *Torts* (4) Hunter
Bohlen's *Cases on Torts*. Monday to Friday, inclusive, 5:10 and 6:10 P. M. (Completion of this subject will satisfy the requirement of Torts for the degree.)

SECOND AND THIRD YEAR SUBJECTS

170. *Domestic Relations* (2) Moll
Woodruff's *Cases on Domestic Relations*. Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.
171. *Equity II* (4) Spaulding
Ames' *Cases on Equity Jurisdiction*, Volume I. Monday to Friday, inclusive, 5:10 and 6:10 P. M.
184. *Mortgages* (2) Collier
Kirchwey's *Cases on Mortgages*. Tuesday and Friday, 5:10 and 6:10 P. M.; Wednesday, 5:10 P. M.
185. *Quasi-Contracts* (2) Moll
Thurston's *Cases*. Monday and Thursday at 5:10 and 6:10 P. M.; Wednesday, 6:10 P. M.
303. *Wills and Administration of Estates* (4) Oppenheim
Costigan's *Cases on Wills*, 2nd Edition. Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND TERM

July 31 to September 13

(September 11, 12, and 13, will be used for examinations)

FIRST YEAR SUBJECTS

101. *Agency* (See under Second and Third Year Subjects).

105-135. *Personal Property* (4) Benson
Larremore's *Cases on Personal Property* and Morgan's *Introduction to the Study of the Law*. Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND AND THIRD YEAR SUBJECTS

101. *Agency* (4) Wheaton
Mechem's *Cases* (Seavey's edition, 1925). Monday to Friday, inclusive, 5:10 and 6:10 P. M.

169. *Damages* (2)) Arnold
Beale's *Cases on Damages*, 3rd edition. Monday and Thursday, 5:10 and 6:10 P. M.; Wednesday, 6:10 P. M.

294. *Property III* (2) Arnold
Kale's *Cases on Future Interests*. Tuesday and Friday, 5:10 and 6:10 P. M.; Wednesday, 5:10 P. M.

LIBRARY SCIENCE

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science, Executive Officer.*

MIRIAM UHLER CHISHOLM, A.B., *Associate in Library Science.*

101. *Cataloguing* (3) Chisholm
Theory and Practice. Daily, 6:10 P. M.
102. *Cataloguing* (3) Schmidt
Continuation of 101; the equivalent of the work of the second semester of the regular school year. For students who have taken 101 in the previous Summer Session, or who have had practical experience in cataloguing. Daily, 7:50 P. M.
121. *Classification* (3) Schmidt
General principles and distinguishing characteristics of the Dewey and Cutter systems; classification of books according to each; practice in shelf-listing and book-notation. Prerequisite: Library Science 101 or 102 or practical library work. Daily, 5:10 P. M.
122. *Classification* (3) Schmidt
Library of Congress classification. Theory and practice, also shelf-listing and book-notation. Prerequisite: Library Science 101 and 102 and 121, or adequate library experience. Daily, 6:10 P. M. Not given in 1930.
131. *Library History, Organization, and Administration* (3) Schmidt
Prerequisite: Library Science 101 and 102 and 121 or 122 or adequate library experience. Daily, 7:00 P. M.
132. *Reference, Bibliography, Book Evaluation and Selection* (3) Schmidt
Prerequisite: Library Science 121 or 122 or adequate library experience. Daily, 7:00 P. M. Not given in 1930.

Note: Courses 101 and 121 may be continued in the second semester of the regular school year; Course 122 alternates with Course 121, the two constituting the full work in classification; Course 132 alternates with Course 131.
Library fee of \$1.00 for any one or all of these courses

MATHEMATICS

JAMES HENRY TAYLOR, Ph.D., *Professor of Mathematics, Executive Officer.*
 EDGAR WILLIAM WOOLARD, Ph.D., *Assistant Professor of Mathematics.*

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| 3. <i>College Algebra</i> (3)
Daily, 7:40 A. M. | Taylor |
| 6. <i>Plane Trigonometry</i> (3)
Daily, 6:10 P. M. | Woolard |
| 12. <i>Analytic Geometry</i> (3)
Prerequisite: Plane Trigonometry. Daily, 5:10 P. M. | Woolard |
| 19. <i>Differential Calculus</i> (3)
Daily, 5:10 P. M. | Taylor |
| 141. <i>College Geometry</i> (3)
Daily, 6:10 P. M. | Taylor |

MUSIC

BERNICE RANDALL ANGELICO, A.B., *Instructor in Music.*

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| *163. <i>Music Appreciation</i> (2)
Development of insight and taste through the study of types of composition, folk music, and tendencies in music. Special attention given to the needs of schools. Daily, 9:40 A. M. | Angelico |
| *164. <i>Public School Music</i> (2)
Materials, development of theory, ear training, sight singing, group activity, appreciation. Daily, 10:40 A. M. | Angelico |

PHILOSOPHY

EDWARD ELLIOTT RICHARDSON, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*

- *101. *Introduction to Philosophy* (2) Richardson
Daily, 7:40 A. M.
131. *Ethics* (3) Richardson
Principal ethical theories from historical and social points of view. Daily, 5:10 P. M.
133. *Philosophy of Religion* (3) Richardson
Presentation of philosophical principles involved in religion. Daily, 6:10 P. M.

PHYSICS

WALTER LYNN CHENEY, Ph.D., *Professor of Physics.*

ARTHUR JOHN M. JOHNSON, Ph.D., *Assistant Professor of Physics.*

7. *General Physics* (4) Cheney and Johnson
Mechanics, Heat, and Magnetism. For students making science their major study. Prerequisite: High School Physics. Course 9 should otherwise be taken. Material fee \$5.00. Daily, 5:10 P. M.; Laboratory, Tuesday, 7:30 to 10:30 P. M.
8. *General Physics* (4) Cheney and Johnson
Electricity, Sound, and Light. A continuation of Course 7, which is prerequisite, but which may be taken concurrently. Material fee \$5.00. Daily, 6:10 P. M.; Laboratory, Thursday, 7:30 to 10:30 P. M.
9. *Beginners General Physics* (5) Cheney and Johnson
Mechanics, Heat, and Magnetism. For students who are making science their major study, but who do not have credit for High School Physics. Material fee \$8.00. Daily, 5:10 P. M.; Laboratory, Tuesday and Thursday, 7:30 to 10:30 P. M.
10. *Beginners General Physics* (5) Cheney and Johnson
Electricity, Sound, and Light. A continuation of Course 9, which is prerequisite. Material fee \$8.00. Daily, 6:10 P. M.; Laboratory, Tuesday and Thursday, 7:30 to 10:30 P. M.

POLITICAL SCIENCE

JOHN ALBERT TILLEMA, Ph.D., LL.B., *Assistant Professor of Political Science, Acting Executive Officer.*

WILLIAM STULL HOLT, Ph.D., *Assistant Professor of Political Science.*

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| 9. | <i>Government of the United States</i> (3) | Tillema |
| | Daily, 7:40 A. M. | |
| 10. | <i>State Government</i> (3) | Holt |
| | Daily, 6:10 P. M. | |
| *111. | <i>Comparative European Governments</i> (2) | Tillema |
| | Daily, 10:40 A. M. | |
| *115. | <i>Municipal Government in the United States</i> (2) | Tillema |
| | Daily, 9:40 A. M. | |
| 171. | <i>International Relations</i> (3) | Holt |
| | Daily, 5:10 P. M. | |
| 271. | <i>Seminar</i> (3) | Holt |
| | Tuesday and Thursday, 7:00 to 8:30 P. M. | |

PSYCHOLOGY

FRED AUGUST MOSS, Ph.D. M.D., *Professor of Psychology, Executive Officer.*

KATHERINE TAIT OMWAKE, Ph.D., *Lecturer in Psychology.*

THELMA HUNT, Ph.D., *Instructor in Psychology.*

- | | | |
|-------|---|--------|
| 1. | <i>General Psychology</i> (3) | Omwake |
| | Daily, 5:10 P. M. | |
| 2. | <i>Applied Psychology</i> (3) | Moss |
| | Daily, 6:10 P. M. | |
| *103. | <i>Psychology for Teachers</i> (2) | Hunt |
| | Daily, 10:40 A. M. | |
| 115. | <i>Clinical Psychology</i> (3) | Moss |
| | Daily, 7:40 A. M. | |
| *120. | <i>Psychological Tests</i> (2) | Hunt |
| | Daily, 11:40 A. M. Material fee, \$3.00. | |
| 131. | <i>Statistics in Psychology and Education</i> (3) | Hunt |
| | Daily, 6:10 P. M. | |
| 211. | <i>Seminar</i> (3) | Moss |
| | Tuesday and Thursday, 7:50 to 10:00 P. M. | |

PUBLIC SPEAKING

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*

1. *Principles of Effective Speaking* (3) Yeager
Speech composition and delivery; how to hold the attention and interest of an audience or hearer. Short informative, persuasive and entertaining talks. Daily, 6:10 P. M.
173. *The Teaching of Public Speaking* (3) Yeager
The teaching of Reading, Interpretation, Dramatics, Public Speaking, and Debating. The organization of high school and college courses. Methods of teaching. Direction of debates, plays, and speech contests. Daily, 7:40 A. M.
180. *Forum in Social Problems* (3) Yeager and Willard
A study of selected social problems by the forum and discussion group methods. Permission of the instructors is required. (This course is identical with Sociology 180.) Daily, 5:10 P. M.

ROMANCE LANGUAGES

HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*

MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages,
Executive Officer.*

RALPH BAXTER FOSTER, A.M., *Assistant Professor of Romance Languages.*

ALAN THOMAS DEIBERT, A.M., *Assistant Professor of Romance Languages.*

FRENCH

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|--|----------|
| 1-2. <i>Beginning French</i> (3-3) | Protzman |
| Daily, 5:10 to 7:00 P. M. | |
| 2. <i>Beginning French</i> (3) | Protzman |
| Second semester. Daily, 7:00 to 7:50 P. M. | |
| 5-6. <i>Intermediate French</i> (3-3) | Foster |
| Daily, 5:10 to 7:00 P. M. | |

SPANISH

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|--|---------|
| 1-2. <i>Beginning Spanish</i> (3-3) | Deibert |
| Daily, 5:10 to 7:00 P. M. | |
| 2. <i>Beginning Spanish</i> (3) | Deibert |
| Second semester. Daily, 7:00 to 7:50 P. M. | |
| 5-6. <i>Intermediate Spanish</i> (3-3) | Doyle |
| Daily, 5:10 to 7:00 P. M. | |

SOCIOLOGY

DUDLEY WILSON WILLARD, Ph.D., *Associate Professor of Sociology.*

27. *Introduction to Sociology* (3) Willard
A study of group behavior and the formative factors in organized social life. Daily, 7:40 A. M.
- *119. *Educational Sociology* (2) Willard
Social principles applied to organized education. Daily, 8:40 A. M.
- *120. *School and Community* (2) Willard
Community forces shaping educational practice. Daily, 10:40 A. M.
180. *Forum in Social Problems* (3) Yeager and Willard
Selected problems handled by forum and discussion group methods. Offered jointly by the Departments of Sociology and Public Speaking for those meeting groups or speaking in public. Permission of the instructors is required for admission. (Identical with Public Speaking 180.) Daily, 5:10 P. M.

ZOOLOGY

MARY QUICK BOWMAN, *Instructor in Zoology, Acting Executive Officer.*
WILLIAM THOMAS McCLOSKEY, A.B., *Associate in Zoology.*
ELIZABETH PARKER, A.B., *Associate in Zoology.*

- †121-122. *Invertebrate and Vertebrate Anatomy* (4-4) Bowman, McClosky, Parker
Lectures and laboratory in all the invertebrate Phyla of the animal kingdom; comparative anatomic structures, biologic, evolutionary and nomenclatorial laws; comparative vertebrate anatomy, development and physiology, beginning with lower chordates and concluding with a dissection of some mammal. Material fee, \$10.00; Microscope rental, \$7.00. Lectures daily, 5:10 P. M.; Laboratory daily, 6:00 to 9:00 P. M.

† Must be taken as a combined course; no credit for separate units.

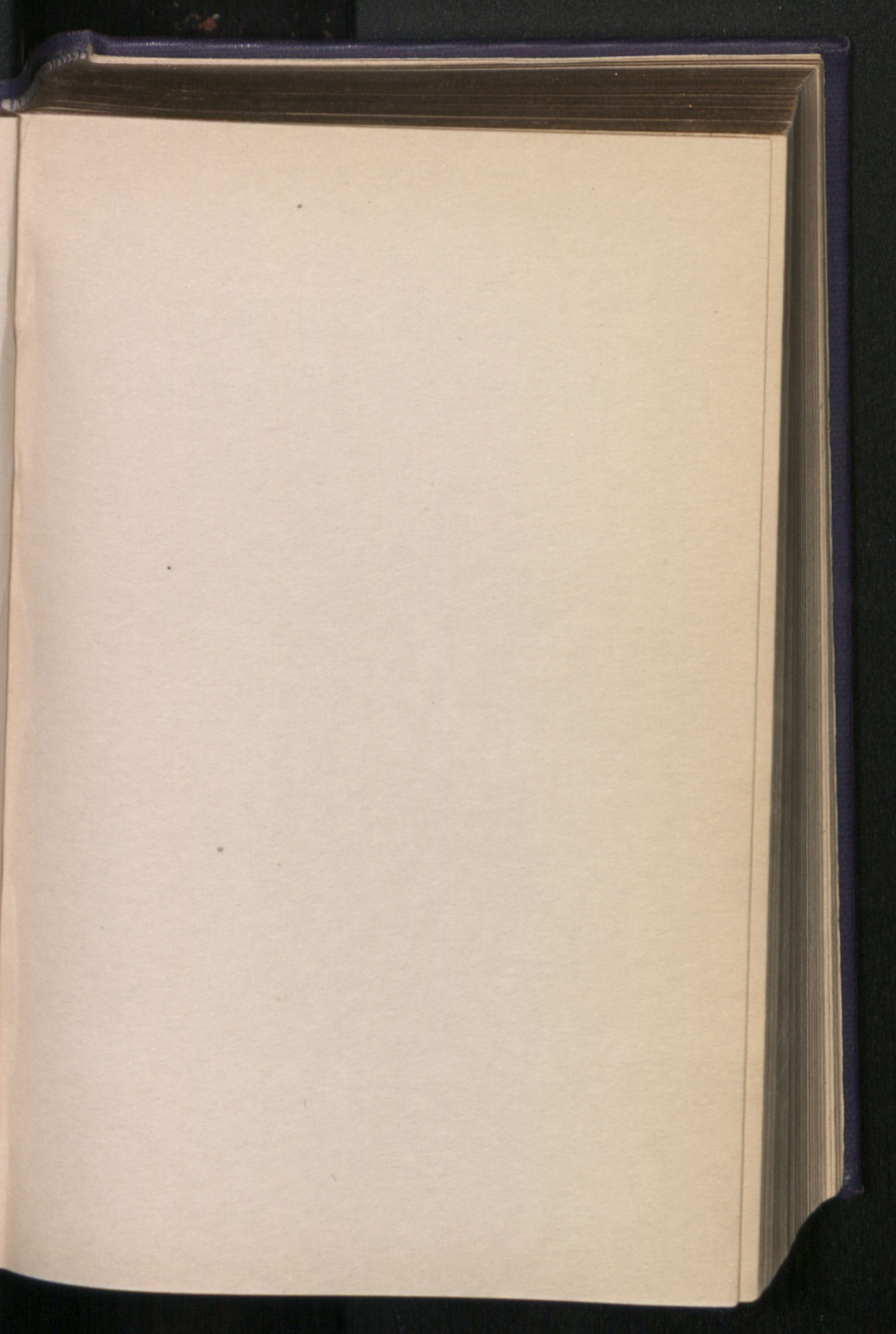
THE HISTORY OF THE
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BY
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IN TWO VOLUMES
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WASHINGTON
UNIVERSITY
BULLETIN

CATALOGUE

1930-1931

VOL. XXIX

No. 2

WASHINGTON, D. C.

PUBLISHED IN APRIL

MCMXXX

BY THE UNIVERSITY

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CATALOGUE
1930-1931

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WASHINGTON, D. C.
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CALENDAR FOR 1930-1931

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THE UNIVERSITY CALENDAR 1930-1931

1930

September 15-20	<i>Monday to Saturday, both dates inclusive</i>	The pre-session examinations in The School of Medicine will be held.
September 20-23	<i>Saturday to Tuesday, both dates inclusive</i>	Registration period for the first semester in all Schools and Divisions except The School of Medicine.
September 24	<i>Wednesday</i>	Academic year begins in all departments.
September 24 and 25	<i>Wednesday and Thursday</i>	Examinations will be held in The Junior College and Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses in certain subjects.
September 27	<i>Saturday</i>	Last day for late registration in The School of Medicine.
September 30	<i>Tuesday</i>	Last day for receiving theses of candidates for the A.M. degree in October.
October 7	<i>Tuesday</i>	Last day candidates may file theses subjects for A. M. degree to be received in February.
October 8	<i>Wednesday</i>	Last day for late registration for first semester enrollment in The Law School.
October 9	<i>Thursday</i>	Last day for late registration for the first semester in all departments of the University except The School of Medicine and The Law School.
October 22	<i>Wednesday</i>	Stated meeting of the Board of Trustees.
November 1	<i>Saturday</i>	Fall Convocation.
November 27-29	<i>Thursday to Saturday, both dates inclusive</i>	Last day for late registration for year enrollment in The Law School.
		Second installment of first semester tuition due.
		Thanksgiving recess.

December 1	<i>Monday</i>	Third installment of first semester tuition due.
December 11	<i>Thursday</i>	Stated meeting of the Board of Trustees,
December 20	<i>Saturday</i>	End of first term in The School of Medicine.
December 22- January 1	<i>Monday to Thursday, both dates inclusive</i>	Christmas recess.
1931		
January 2	<i>Friday</i>	Classes resumed in all departments of the University. Second term of The School of Medicine begins.
		Last day for applications for the bachelor's degree to be conferred in February.
January 6	<i>Tuesday</i>	Last day for receiving theses of candidates for the Ph.D. degree in February.
January 22-28	<i>Thursday to Wednesday, both dates inclusive</i>	Mid-year examination period in all departments of the University, except in The School of Medicine and The Law School.
January 26-31	<i>Monday to Saturday, both dates inclusive</i>	Mid-year examination period in The Law School.
January 29-31	<i>Thursday to Saturday, both dates inclusive</i>	Mid-year recess.
January 30-31	<i>Friday and Saturday</i>	Registration period in The Law School.
		First installment of second semester tuition due in all departments.
February 2	<i>Monday</i>	Classes resumed for second semester in The Law School.
February 2-3	<i>Monday and Tuesday</i>	Registration period for second semester in all departments of the University, except in The School of Medicine and The Law School.
February 4	<i>Wednesday</i>	Classes resumed for second semester in all departments of the University, except in The School of Medicine and The Law School.

February 4 and 5	<i>Wednesday and Thursday</i>	Examinations will be held in The Junior College and Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses.
February 7	<i>Saturday</i>	Last day for receiving theses of candidates for the A.M. degree in February.
February 11	<i>Wednesday</i>	Last day on which candidates may file theses subjects for the A.M. degree to be received in June.
February 12	<i>Thursday</i>	Stated meeting of the Board of Trustees.
February 14	<i>Saturday</i>	Last day for late registration for second semester enrollment in The Law School.
February 18	<i>Wednesday</i>	Last day for late registration for the second semester in all departments of the University, except The School of Medicine and The Law School.
February 23	<i>Monday</i>	Mid-Winter Convocation. Holiday in all departments of the University.
March 2	<i>Monday</i>	Second installment of second semester tuition due.
March 12	<i>Thursday</i>	Stated meeting of the Board of Trustees.
March 13	<i>Friday</i>	End of second term in The School of Medicine.
April 1	<i>Wednesday</i>	Classes resumed for third term in The School of Medicine.
April 1	<i>Wednesday</i>	Third installment of second semester tuition due.
April 6-11	<i>Monday to Saturday, both dates inclusive</i>	Last day for receiving theses of candidates for professional degrees in Engineering to be received in June.
April 14	<i>Tuesday</i>	Easter recess.
		Last day for receiving theses of candidates for the degree of Ph.D. in June.

April 30	Thursday	Last day for applications for degrees to be conferred in June.
May 12	Tuesday	Last day for receiving theses of candidates for the degree of A.M. in June.
May 15	Friday	Applications for scholarships for 1931-1932 should be filed.
May 19-21	Tuesday to Thursday, both dates inclusive	Final examination period in The School of Medicine.
May 30	Saturday	Decoration Day. Holiday in all departments of the University.
May 28-June 4	Thursday to Thursday, both dates inclusive	Final examination period in all Schools and Divisions except The School of Medicine and The Law School.
June 4	Thursday	Annual meeting of the Board of Trustees.
June 7	Sunday	Baccalaureate Sermon.
June 10	Wednesday	Commencement.
June 15	Monday	Instruction begins in the nine-weeks term in Summer Sessions. Instruction begins in first summer term of The Law School.
June 29	Monday	Instruction begins in the six-weeks term in Summer Sessions.
July 29	Wednesday	First summer term in The Law School ends.
July 30	Thursday	Second summer term in The Law School begins.
August 8	Saturday	Six-weeks summer term ends in all Schools and Divisions, except The Law School.
August 15	Saturday	Nine-weeks summer term ends in all Schools and Divisions, except The Law School.
September 12	Saturday	Second summer term in The Law School ends.
September 19-22	Saturday to Tuesday, both dates inclusive	Registration period for the first semester of the Academic year 1931-32 in all Schools and Divisions except The School of Medicine.

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<i>Assistant Professor of Chemistry.</i> | 2119 H Street. |
| BLAKE RAGSDALE VAN LEER, M.E.,
<i>Lecturer in Hydraulics.</i> | 4454 Q Street. |
| CHARLES EDWIN VAN ORSTRAND, M.S.,
<i>Lecturer on Mathematical Physics.</i> | 1607 31st Street. |
| † WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D.,
<i>Professor of Law; Dean of The Law School.</i> | 4120 Harrison Street. |
| FLORENCE VAN AUKEN WATKINS, B.S.,
<i>Lecturer on Parental Education.</i> | 1628 Columbia Road. |
| FRANK MARK WEIDA, Ph.D.,
<i>Associate Professor of Mathematics.</i> | 2033 G Street. |
| EUGEN WEISZ,
<i>Lecturer and Critic in Graphic Art.</i> | 515 20th Street. |
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<i>Associate Professor of Political Science.</i> | 658 Fifth Street N.E. |

† On sabbatical leave 1930-1931.

- WILLIAM OLENDORF WETMORE, M.D., Major, Medi- Cavalier Hotel.
cal Corps, United States Army,
Professor of Military Science and Tactics.
- CARL CRUMBIE WHEATON, A.B., LL.B.,
Visiting Professor of Law.
- EMELINE STORM WHITCOMB, A.M.,
Lecturer in Home Economics.
- CHARLES STANLEY WHITE, M.D.,
Professor of Surgery.
- WILLIAM ALANSON WHITE, A.M., M.D.,
Professor of Psychiatry.
- WILLIAM ALLEN WILBUR, A.M., Litt.D.,
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Depew Professor of Public Speaking.
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Professorial Lecturer on Taxation.
- St. Louis University,
St. Louis, Missouri.
2800 Adams Mill Road.
- 1420 16th Street.
- St. Elizabeth's Hospital.
- 3816 Military Road.
- University of South Carolina,
Columbia, South Carolina.
1601 Argonne Place.
- 2731 Connecticut Avenue.
- 2011 35th Street.
- 2100 I Street.
- Guthridge Apartments.
- 6515 8th Street.
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Sanders Fellow in Chemistry.
- 10 Baltimore Street,
Kensington, Maryland.
- 6 West Virgilia Street,
Chevy Chase, Maryland.
- 2033 G Street.
- 2033 G Street.

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| ROBERT PARKER JACOBSEN, A.B.,
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<i>Sanders Fellow in History.</i> | 2228 Otis Street N.E. |
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<i>Sanders Fellow in Architecture.</i> | 2033 G Street. |
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<i>Assistant in English.</i> | 912 19th Street. |
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THE UNIVERSITY

THE JOURNAL OF THE
SOCIETY OF THE HISTORY OF THE
CITY OF NEW YORK
AND
THE BOROUGH OF MANHATTAN
FOR THE YEAR 1881

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HISTORY AND ORGANIZATION

HISTORY

In the year 1817 the Reverend Luther Rice, a graduate of Williams College, conceived the idea of founding in the City of Washington a college for the education of ministers of the Baptist denomination and for the teaching of the classics, science and philosophy.

In 1819, in company with a number of other ministers and lay citizens of Washington, he formed an association for the purpose of buying land adjoining the city, with the understanding that it should be held for the use of an institution of higher learning.

Among the contributors to the seven thousand dollar fund which was raised for the purchase of the land upon which to place the college, are found the names of John Quincy Adams, William H. Crawford and John C. Calhoun (members at that time of President Monroe's Cabinet), together with thirty-two members of Congress and many of the leading citizens of Washington.

A tract embracing nearly forty-seven acres, extending about one-half mile northwest from Boundary Street, between Fourteenth and Fifteenth Streets, was purchased, and in February, 1821, a charter of "The Columbian College in the District of Columbia" was granted by Congress.

The first bulletin of the college, issued January 27, 1821, stated that "This institution, originated by the Baptist General Convention, but of National locality, consideration, and benefit, is founded on the most liberal principles," and quoted the provision of the charter that "persons of every religious denomination shall be capable of being elected Trustees, nor shall any person either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof for or on account of his sentiments in matters of religion."

By 1822 the main building, begun early in 1820, was completed sufficiently to be used for purposes of instruction. Dr. William Staughton, a native of England and an eminent pulpit orator, was elected first President of the institution.

The first commencement of the college was held December 15, 1824, the President of the United States, members of the Cabinet, and the Marquis de Lafayette, then on his farewell visit to the United States, being among the distinguished guests in attendance.

The Medical School, established in 1821, was formally opened in 1825. It has been in continuous operation since that time.

The Law School, organized in 1826, was discontinued a year later, to be re-established in 1865. It is the oldest law school in Washington and was the first in the country to establish a graduate course in law.

The name of the institution was changed to The Columbian University in 1873.

In 1884 the University was removed from its first location on the outskirts of the city to the heart of Washington, a new University hall being built at Fifteenth and H Streets, and near it buildings for the Medical and Preparatory Schools. Subsequently the University sold this property and removed to its present location.

By act of the Congress of the United States in 1904, the University was removed from denominational control, placed under a self-perpetuating Board of Trustees, and the name changed to The George Washington University.

General George Washington during his public life had urged the establishment of an institution of higher learning in the national capital, and in his last will and testament bequeathed fifty shares of stock in the Potomac Company for the endowment of a university to be established within the limits of the District of Columbia, "to which the youths of fortunes and talents from all parts might be sent for the completion of their education in all the branches of polite literature in arts and sciences—in acquiring knowledge in the principles of Politics and good Government—and (as a matter of infinite importance in my judgment) by associating with each other and forming friendships in Juvenile years, be enabled to free themselves in a proper degree from those Local prejudices and habitual jealousies which have just been mentioned and which when carried to excess are never failing sources of disquietude to the Public mind and pregnant of mischievous consequences to this Country."

It was in recognition of this idea that the name of the Columbian University was changed to The George Washington University.

GOVERNMENT

The government and general educational management of The George Washington University is vested in a Board of Trustees consisting of twenty-seven Trustees elected by the Board with the President of the University an ex-officio member. The twenty-seven elected members of the Board are named for a period of three years and are divided into three classes of nine members each. The members of one class shall be elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each of the above classes are nominated by the Alumni Association. "Persons of every religious denomination shall be capable of being elected Trustees."

ENDOWMENT

The endowment of The George Washington University, not including the value of buildings, grounds, and equipment is \$1,616,661.12 (1930).

THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in twelve colleges, schools and divisions, including: The Junior College; Columbian College, the undergraduate college of letters and sciences; The Graduate School of Letters and Sciences; The School of Medicine, including The School of Nursing; The Law School; The School of Engineering; The School of Pharmacy; The School of Education; The School of Government; The Division of Library Science; The Division of Fine Arts; The Division of Special and Extension Students; and The Summer Sessions.

LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House, many of the departments of government, including the State, War, and Navy Departments, the Treasury Department, the Department of Commerce, the Department of the Interior, the Department of Labor and the United States Civil Service Commission. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are nearby. The United States Capitol and the Library of Congress can be reached by car in a few minutes from any of the University Buildings.

EDUCATIONAL FACILITIES

BUILDINGS

Buildings, grounds, and equipment are valued at \$2,950,000.00.

The buildings of The Junior College, Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineering, The School of Pharmacy, The School of Education, The School of Government, The Division of Library Science, and The Division of Fine Arts, are grouped in the vicinity of 21st and G Streets Northwest. The School of Medicine, The University Hospital and the Dispensary are situated at 14th and H Streets Northwest.

Administration Building, Building A, 2100 G Street.

The Offices of the President, Dean, Provost, and Alumni Secretary.

Woodhull Administration Building, Building F, 2033 G Street.

Named in honor of General Maxwell VanZandt Woodhull, trustee of the University and donor of the building. Office of the Comptroller, and the business offices.

Architecture Building, Building E, 2101 G Street.

The Division of Fine Arts, including the Architecture Library, and drawing and lecture rooms.

Botany Building, Building H, 2027 G Street.

The Junior College and Columbian College Administration Offices; offices, laboratories, class rooms and library of the Department of Botany.

Corcoran Hall, Building W, 725 21st Street.

Named in honor of the late William W. Corcoran, benefactor of the University, President of the Corporation, and a member of the Board of Trustees from 1869 to 1888. The Council Room of the Board of Trustees, Assembly Hall, class rooms, and the chemical and accounting laboratories.

Education Building, Building D, 2022 G Street.

Office of the Dean of The School of Education, class rooms, faculty offices and student club rooms.

Engineering Building, Building P, 716 20th Street.

Offices of the Dean and Faculty of The School of Engineering and the Engineering Library.

Mechanical Engineering Laboratory, Building X, in the rear of 2023 G Street.

Gymnasium, Building R, 2010-12 H Street.

Offices of The Department of Physical Education for Men, and of the Athletic Director.

Hospital and Dispensary, 1339-41 H Street N.W. .

Lisner Hall, Building J, 2023 G Street.

Named in honor of Abram Lisner, benefactor of the University and member of the Board of Trustees. The General Library, office of the Dean of The Graduate School of Letters and Sciences, the Director of The Division of Library Science, faculty offices, class rooms, the electrical engineering, geology and physics laboratories and the mechanical engineering drafting rooms.

School of Medicine, 1335 H Street.

Offices of the staff of The Medical School; lecture and class rooms; anatomy, biochemistry, clinical chemistry, biology and embryology, physiology, pharmacology, and bacteriology and pathology laboratories; students' rooms; the Medical Library and Pathological Museum.

Nurses' Home, The Parkside, 1336 I Street.

The residence of students in The School of Nursing.

Pharmacy Building, Building T, 2020 H Street.

Office of the Dean, lecture rooms, laboratories and library of The School of Pharmacy.

Physical Education for Women, Building S, 2014-16 H Street.

Offices of the Department of Physical Education for Women.

Psychology Building, Building B, 2026 G Street.

Class rooms and office of The Department of Psychology and the psychological laboratory.

Registration Building, Building G, 2033 G Street.

Offices of the Registrar and the Director of Admissions.

Stockton Hall, Building Q, 720 20th Street.

Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. The offices, lecture halls, and library of The Law School.

Women's Building, Building M, 2009-11 G Street.

Office of the Director of Women's Personnel Guidance, class rooms, and club rooms for women students.

Zoology Building, Building I, 2025 G Street.

Offices, laboratories, and class rooms of The Department of Zoology.

Zoology Laboratories, Building N, 704 20th Street.

Class rooms and the Zoological Research Laboratory.

Building K, 2017 G Street. Faculty offices and class rooms.

Building L, 2015 G Street. Faculty offices, class rooms, Faculty Club Rooms.

Building O, 712 20th Street. Training Quarters for Men's Athletic Department.

Buildings U and V, 2024 and 2026 H Street. Faculty offices, class rooms.
Building Z, 715 21st Street. Offices of The Director of Summer Sessions,
 The Adviser to Foreign Students, Publications.

THE UNIVERSITY LIBRARY

The University Library comprises the General Library, consisting of the libraries of The Junior College, Columbian College, The Graduate School of Letters and Sciences, The School of Education, The School of Pharmacy, The School of Engineering, The School of Government, The Division of Library Science and The Division of Fine Arts; the Medical Library and the Law Library. It contains 89,000 volumes.

The General Library is open from 8:45 a. m. to 10:30 p. m., each school day, and from 3:00 to 9:00 p. m. on Sundays.

Columbian College. In addition to the general collection the Library of Columbian College includes the *Library of the late Professor Richard Heintel*, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the *Library of the late Professor Curt Wachsmuth*, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archaeology and history; the *Mount Vernon Alcove*, containing 4,000 volumes in political history, international law, and the social sciences; and a representative collection of Spanish-American books, the gift of the Government of the Argentine Republic.

Medical Library. Open for study and reading from 9:00 a. m. to 4:00 p. m., with a librarian in charge. It contains more than 2,700 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received.

The Law Library, containing more than 13,500 volumes, is open from 9:00 a. m. to 11:00 p. m., each school day, and from 2:00 to 6:00 p. m. on Sundays.

The Engineering Library on the first floor of Building P is open from 9:00 a. m. to 12:00 o'clock and from 1:00 to 6:00 p. m.

The Library of The Division of Fine Arts contains over 2,000 volumes and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of these volumes constitute a collection made available by the American Institute of Architects, to whom the Library is always accessible.

Departmental and Seminar Libraries:

ARCHITECTURE—Building E, 2101 G Street, second floor.

BOTANY—Building H, 2025 G Street.

CHEMISTRY—Corcoran Hall, fourth floor.

GEOLOGY—Lisner Hall, Building J. Room 34.

MATHEMATICS—Building V, Room 23.

PHARMACY—Building T, Room 1.

PUBLIC SPEAKING—Building L, Room 34. This room contains the Chauncey Mitchell Depew Public Speaking Library of approximately 500 volumes, the gift of Mrs. Chauncey M. Depew.

ZOOLOGY—Building H, 2025 G Street.

Other Library Facilities. University students have access also to the Library of Congress, the Public Library of the District of Columbia and its branches, the Library of the Carnegie Endowment for International Peace, the Library of the Pan American Union, and the Library of the Bureau of Railway Economics, as well as the Library of the United States Department of Agriculture with its scientific departmental collections, the Library of the United States Bureau of Education, the Army Medical Library, and the other great special collections of the government departments.

GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

ADMISSIONS

All departments of the University are open to men and women.

Students may enter The Junior College, Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Government, The Division of Library Science, and The Division of Special and Extension Students, at the beginning of either semester or either of the summer terms. For the time of admission to The School of Medicine, The Law School, The School of Pharmacy and The Division of Fine Arts see the announcement of the schools.

REQUIREMENTS

The requirement for admission to the freshman class of The Junior College, The School of Engineering, The School of Pharmacy, and The Division of Fine Arts, is a certificate of graduation from a four-year high school course (or its equivalent) amounting to at least 15 "units." A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work. The studies prescribed for entrance to the several schools and divisions are listed under the admission requirements for each school.

Applicants for admission with advanced standing are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various schools and divisions may be given for properly certified courses of study in accredited colleges and universities.

For requirements for admission to Columbian College, The Graduate School of Letters and Sciences, The School of Medicine, The Law School, The School of Government, The Division of Library Science, The School of Education, and The School of Nursing see the announcements of the schools.

The University reserves the right to refuse admission to any student whose preparatory work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

METHODS OF ADMISSION

Candidates for admission may present certificates of admission or take entrance examinations.

CERTIFICATES

Certificates will be accepted from accredited schools subject to the following conditions: (1) If the school is accredited by the Regional Association, the student must have attained a rank not lower than the fourth

fifth of his class. (2) If the school is not on the Regional Association list, but has been accredited by the State Accrediting Agency, the student shall be required to have attained a rank in the upper fifth of his class; if he has attained a rank below this, College Entrance Board Examinations will be required for admission.

All certificates must give in detail the grades obtained by the student, must specify the passing grade, the certifying grade, the rank of the applicant in his graduating class, with the number in the class, and must contain definite recommendations from the principal in regard to admission to college. The Director of Admissions will, on application, furnish certificate blanks to the principals of such schools. All records shall be certified on the blank provided by the University and must come directly to the Director of Admissions from the school concerned.

EXAMINATIONS

Candidates for admission who do not furnish satisfactory certificates of graduation from accredited high schools will take the examinations in the entrance subjects offered by the College Entrance Examination Board. An applicant who fails to pass in at least 15 units in the entrance examination may not be admitted.

The examinations of the College Entrance Examination Board are held each spring in Washington and other centers. These examinations will be given in Washington at The George Washington University June 15 to 20, inclusive, 1931. Applications for examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City.

CONDITIONS

A graduate from an approved high school who does not have the proper distribution of subjects to meet the prescribed units may be admitted, on condition, to courses other than the pre-medical courses, if such irregularity is in not more than two units.

All conditions must be removed by the end of the freshman year (completion of 30 semester hours).

DEFINITION OF REQUIREMENTS

Below is the description of courses of study which may be presented for entrance. (Students taking the spring examinations given by the College Entrance Examination Board should consult the statement of required subject matter issued by the Board.) Credit by certificate or examination to the extent indicated will be allowed in the following subjects:

ENGLISH

(Three Units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English. This prescribes habits of correct, clear, and truthful expression calling for a carefully

graded course in oral and written composition, and for instruction in practical essentials of grammar. It requires also ability to read with intelligence and appreciation works of moderate difficulty, and familiarity with a few masterpieces, calling for a carefully graded course in literature.

The examination will include the writing of short compositions on topics selected by the student from a list based on his reading and personal observation, together with more detailed questions on books selected from those recommended by the National Conference on Uniform Requirements in English. With his application the student will be required to submit a list of books which he offers as a basis for his examination.

HISTORY

- Ancient* (one unit) { a. Greek
 b. Roman
Medieval European History (one unit)
Modern European History (one unit)
English History (one unit)
American History (one-half to one unit)
American History and Civics (one unit)

Special importance is attached to preparation in geography.

LANGUAGE

FRENCH

Elementary (two units). Candidates in Elementary French must have a knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation, must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duo-decimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-years' course of five periods per week.

Advanced (two units). Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1,000 pages of difficult French of several different authors, including history, fiction, and drama. Candidates must have had a four-years' course of five periods per week.

Fraser and Squair's French Grammar is recommended.

GERMAN

Elementary (two units). Candidates in Elementary German must have had a two-years' course of five periods a week. An accurate knowledge of the elements of German grammar and the ability to translate simple prose

into German are requisite. About 300 pages of graduated narrative prose, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units). Candidates in Advanced German must have had a four-years' course of five periods a week. They should be well trained in the grammar of the language, have read about 800 pages of good literature, including at least one drama each by Lessing, Schiller, and Goethe, and a good anthology of German poetry.

GREEK

Elementary (two units). Grammar: The topics of the examination in Greek grammar are similar to those detailed under Latin grammar. Greek Prose Composition: Consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*. Xenophon: The first four books of the *Anabasis*.

Advanced (one unit). Homer: The first three books of the *Iliad* (omitting II, 494 to end). Sight Translation, based on prose of no greater difficulty than Xenophon's *Anabasis*.

LATIN

Elementary (two units). Grammar: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive. Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Caesar. Caesar: Any four books of the *Gallic War*, preferably the first four.

Advanced (two units). *Cicero*: Any six orations from the following list, but preferably the first six mentioned—the four orations against Catiline, Archias, the Manilian Law, Marcellus, Rosius, Milo, Sestius, Ligarius, the Fourteenth Philippic. *Virgil*: The first six books of the *Æneid*. *Advanced Prose Composition*, consisting of continuous prose of moderate difficulty based on Cicero. *Sight Translation*, based on prose of no greater difficulty than the easier portions of Cicero's orations.

SPANISH

Elementary (two units). Candidates in Spanish must have a knowledge of grammar, including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish. Candidates must have translated not less than 500 pages by at

least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-years' course of five periods per week.

Advanced (two units). Candidates in Advanced Spanish must have partly translated, partly read, at least 1,000 pages in addition to the requirements for Elementary Spanish. This material should be moderately difficult fiction, drama and poetry selected from several different authors. Candidates must have had a four-years' course of five periods per week.

MATHEMATICS

Elementary Algebra (one unit). Algebra to Quadratics.

Intermediate Algebra (one-half unit). Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations; ratio and proportion; and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit). The progressions; the elementary treatment of permutations and combinations; the use of four and five-place tables of logarithms; undetermined coefficients; the elementary treatment of infinite series; the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit). General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit). General text propositions, including the solution of simple original exercises and numerical problems.

Plane Trigonometry (one-half unit). The six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

SCIENCE

Chemistry (one unit). The requirement is substantially that of the College Entrance Examination Board both in extent and character of the work.

It consists of: The study of at least one standard textbook, supplemented by demonstrations and recitations; individual laboratory work comprising at least thirty experiments. Applicants for admission by examination must present their laboratory note books properly certified by the instructors. One-half the number of laboratory hours plus the number of hours devoted to demonstrations and recitations should equal 120 hours.

Physics (one unit). Preparation should include: Individual laboratory work, comprising at least 35 exercises well distributed over the topics of physics; instruction by lecture-table demonstrations; study of at least one standard textbook, including the solution of many numerical problems; use of the metric system.

ELECTIVES

Credit may be allowed to the maximum extent indicated in additional subjects, as follows:

Botany, one unit; *Civics*, one-half unit;
Commercial subjects, four units;
Domestic Science, two units; *Drawing*, two units;
Economics, one-half unit; *Geography*, one unit;
Music, two units; *Physiology*, one unit;
Shop Work, two units; *Zoology*, one unit.

Credit may be allowed also in other accredited secondary school subjects.

CLASSIFICATION

REGULAR STUDENTS

Regular students are those who have met all the entrance requirements for candidates for degrees and have been regularly assigned a class standing as freshmen, sophomores, juniors, or seniors.

SPECIAL STUDENTS

Persons of mature age, as specified by the rules of the college, school, or division involved, may apply for admission as Special Students. They must present a complete statement of work previously pursued on the regularly accepted form of the University.

AUDITORS

In special instances, with the permission of the instructor a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

STUDENTS WITH LIMITED PROGRAMS

In all divisions of the University, except The School of Medicine, The School of Nursing and The School of Pharmacy, the class hours are so arranged that students who can give only part of their time to college work may, by extending the period of their college work beyond the customary four years, complete full courses for degrees.

REGISTRATION

Before a student may be admitted to registration he must have satisfied the Admissions Office that he is qualified for entrance to the University. (See Admission.)

Registration is for the semester unless otherwise indicated on the registration paper; no registration is accepted for less than a semester or one summer term.

Time and Place. Registration for the first semester in The Junior College, Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Pharmacy, The School of Education, The School of Government, The Division of Library Science, and The Division of Fine Arts will be conducted from September 20 to 23, inclusive. Registration for the second semester in these divisions will be conducted on February 2 and 3. Registration will be conducted in Corcoran Hall, 725 Twenty-first Street N.W., from 9 a. m. to 12 m., and from 2 to 6 p. m.

For dates of registration and method of procedure in The School of Medicine, The Law School, and The Summer Sessions, consult the announcements of these departments. Registration for The School of Medicine is conducted in the Medical School Building, and for The Law School in Stockton Hall.

Registration Procedure. Instructions for registration will be issued to each registrant at the time of registration. A student who has previously matriculated in the University but who has not been in attendance during the semester prior to registration should file an application blank in advance of registration.

Late Registration. For registration after September 23 in the first semester, and after February 3 in the second semester a Late Registration Fee of \$5.00 will be charged. Registration in all courses for credit closes on October 8 for the first semester, and on February 18 for the second semester.

Change in Registration. Application for a change in registration should be filed in the office of the Dean or the Director. Change may be made only with the permission of the adviser or major professor and the Dean of the School or the Director of the Division concerned. A fee of \$2.00 is charged for each change in program after the last day of regular registration. (See Time and Place, above.)

Change of College. Students desiring to transfer from one college or division to another should make application to the Dean of the School or College or the Director of the Division to which transfer is desired. Such change may be made only at the beginning of a semester and with the approval of both Deans concerned.

Change of Major. Students desiring to change their major subjects should make application to their Dean or Director. In making such change all requirements specified in the course of study to which the change is made must be satisfied before graduation.

FEES

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the academic year 1930-31.

1. UNIVERSITY FEE.

*For all students for each semester or for any part thereof	\$6.00
For the Summer Sessions	3.00

2. TUITION FEES.

In The Junior College; Columbian College; The School of Engineering; The School of Education; The School of Pharmacy; The School of Government; The Division of Library Science; The Division of Fine Arts and The Summer Sessions:

For each semester hour credit of courses taken	7.00
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The School of Medicine:

For students entering after September, 1928, per annum	400.00
For students who entered prior to September, 1928, per annum	366.00

The Law School:

For each semester hour credit of courses taken	8.00
Minimum charge for one semester	24.00

The Graduate School of Letters and Sciences and The School of Education:

For regular candidates for the Ph.D. degree, per annum	210.00
(When a student carries a limited schedule the Dean will adjust the proportionate fee for the year.)	

Special Course Tuition Fees:

Zoology 145-146, Bacteriology	60.00
147, Clinical Microscopy	40.00
148, Pathology	40.00

3. EXAMINATION FEES.

The Junior College and Columbian College:

For examination to qualify for advanced courses; each subject	10.00
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In The School of Engineering The School of Education, The School of Pharmacy, The School of Government, The

*Students entering The Law School prior to the 1928 Summer Session pay \$4.00 a semester.

Division of Library Science, The Division of Fine Arts:

For special examination, in each subject..... \$5.00

*In The School of Medicine:*For makeup for absence from regular examination, each
subject 10.00

For makeup after failure, each subject 5.00

September, pre-session examination fee, each subject..... 5.00

In The Law School:

For each special examination..... 10.00

4. GRADUATION FEE.

For any degree..... 20.00

For certificate in nursing..... 10.00

5. Fee for professional thesis in *The School of Engineering*..... 50.00

6. Fee for doctoral thesis publication..... 40.00

7. PHYSICAL EDUCATION FEE.

*In The Junior College, Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science, and The Division of Fine Arts:*Charged all undergraduate women to cover the cost of
regulation uniform (payable once)..... 12.00

8. SPECIAL FEES

1. *Late Registration Fee*, charged all students who fail to
register within the designated period..... 5.002. *Reinstatement Fee*, charged students who are reinstated
after being suspended for delinquency in fees..... 4.003. *Change Fee*, for each change in program after registration..... 2.00

LABORATORY FEES AND DEPOSITS

Laboratory fees are charged in each course listed below, as indicated. Material fees are charged by the semester and may be paid in three installments when the tuition is paid in this manner. Breakage deposits, Beaux Arts registration fees, and microscope rental are charged by the year and are due in full at the time of registration. Breakage of apparatus is charged against the individual student and the amount paid in excess of breakage will be returned at the end of the year.

ARCHITECTURE

Drawing Room Fee, a semester:

Courses 1-2, 4, 25-26, 141-142 _____ \$3.00

Courses 27-28, 125-126, 127-128 _____ 6.00

Beaux Arts Registration Fee for one or more of the following:

Courses 27-28, 125-126, 127-128, annually _____ 8.00

BOTANY

Material Fee, a semester: Courses 1-2, 113, 114 _____

5.00

CHEMISTRY

Material Fee, a semester:

Courses 51-52 _____ 4.00

111-112 _____ 5.00

3-4, 5-6, 11-12, 123-124 _____ 8.00

21-122, 35-36, 41-42, 121-122, 135-136, 145-146, _____

151-152 _____ 10.00

Breakage Deposit:

Courses 3-4, 5-6, 35-36, 51-52, 111-112, 135-136 _____ 15.00

11-12, 21-122, 41-42, 121-122, 123-124, 145-146, 151-152 _____ 20.00

Rental Analytical Weights, a semester: Courses 11-12, 21-122 _____ 1.00

CIVIL ENGINEERING

Drafting Room Fee, a semester:

Courses 41, 42, 43-44, 150, 181-182 _____ 1.00

5, 41, 42, 147-148 _____ 2.00

Laboratory Fee, a semester:

Courses 14, 149 _____ 5.00

Surveying Fee:

Courses 5 _____ 2.00

71, 72 _____ 3.00

1, 102 _____ 5.00

ELECTRICAL ENGINEERING

Laboratory Fee, a semester:

Courses 140 _____ 1.00

13-14, 17-18, 133-134 _____ 5.00

MECHANICAL ENGINEERING

Drafting Room Fee, a semester:

Courses 3-4, 5, 7-8, 127-128 _____ 2.00

Laboratory Fee, a semester:

Courses 115, 116 _____ 5.00

Engineering Fee, professional thesis _____ 50.00

GEOLOGY

Material Fee, a semester:

Courses 1-2 _____ 3.00

11-12 _____ 4.00

GRAPHIC ART

Drawing Room Fee, a semester:

Courses 1-2, 3-4, 5-6, 21-22, 101-102, 103, 104, 105-106, 107-108, 109-110, 121-122	\$3.00
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HOME ECONOMICS

Material Fee, a semester:

Courses 3, 4	8.00
11, 61, 72, 101-102	3.00
53-54	3.00

LIBRARY SCIENCE

Material Fee, a semester:

Courses 101-102, 121-122, 131-132, 135-136	2.00
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MEDICINE

Charged each student in The School of Medicine:

<i>Material Fee</i> , First, second and third year students, per annum	10.00
<i>Breakage Deposit</i> , all students, per annum	10.00

PHARMACY

Material Fee, a semester:

Courses 3-4, 61-62, 153, 154, 155	5.00
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Breakage Deposit, a semester:

Courses 3-4, 61-62, 153, 154, 155	5.00
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PHYSICS

Material Fee, a semester:

Courses 7-8	5.00
9-10, 131-132, 231-232	8.00
15-16	4.00

PSYCHOLOGY

<i>Material Fee</i> , Course 120	3.00
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PUBLIC SPEAKING

Material Fee, a semester:

Courses 151, 158	5.00
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SOCIOLOGY

<i>Material Fee</i> , Courses 211-212 per annum	3.00
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ZOOLOGY

<i>Material Fee</i> , a semester Courses 1-2, 121-122, 127, 135	5.00
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Summer term, Courses 121-122	10.00
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Microscope Rental, a semester:

Courses 135, 151-152	5.00
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121-122	7.00
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Breakage Deposit:

Courses 3-4, 145-146	10.00
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136-137, 147, 148, 151-152, 156	5.00
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FINANCIAL REGULATIONS

PAYMENT OF FEES

(a) All fees are payable at the Office of the Comptroller, 2033 G Street N.W., or in the case of fees in The School of Medicine, to the Comptroller's Assistant at 1335 H Street N.W.

(b) No student is permitted to complete registration or to attend classes until all fees due are paid.

(c) Fees for each semester are due and payable in advance, at the time of registration.

(d) In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester hours may sign contracts for semester charges, except for the University fee, permitting installment payments as follows:

First Semester

One-third at the time of registration, plus the University fee.

One-third on November first

One-third on December first

Second Semester

One-third at the time of registration, plus the University fee

One-third on March first

One-third on April first

Students registering for three hours or less are not privileged to sign contracts for installment payments.

(e) Students who fail to meet installment payments by the tenth of the month will be suspended, and may not attend classes until they have paid all accrued fees, a reinstatement fee of \$4.00, and have been officially reinstated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of the School or Director of the Division in which the student is registered.

(f) No student may register in any department of the University who owes fees in any other department of the University.

(g) Auditors pay all fees chargeable to students registered for credit, except the late registration fee.

REFUNDS

No part of an installment payment shall be returnable. In no case will tuition be reduced or refunded because of non-attendance upon classes.

WITHDRAWALS

All applications to withdraw, in order to receive prompt financial adjustment, must be in the hands of the Dean before the end of the period for which payment has been made.

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

In authorized withdrawals all financial adjustments will be made on the principle of the three installments per semester.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

FELLOWSHIPS

The following fellowships are available in the University. Forms on which to make application for these fellowships will be supplied, on request, by The Registrar of the University. Having been properly filled out they should be submitted for consideration not later than March 1 of any year for the academic year beginning the following September.

Isabella King Research Fellowship. A fellowship of the value of \$1,200 annually is offered in Biology. It is open to candidates holding the Bachelor's degree, and is intended to foster research for which the libraries and scientific establishments in Washington offer special facilities.

Thomas Bradford Sanders Fellowships. These fellowships and scholarships were established by Miss Addie Sanders in memory of her late brother, Thomas Bradford Sanders. They are offered in the following departments, each with a stipend of \$600 in addition to tuition:

Architecture, one fellowship; *Chemistry*, four fellowships; *Economics*, one fellowship; *English*, one fellowship; *History*, three fellowships; *Physics*, two fellowships; *Psychology*, two fellowships.

SCHOLARSHIPS

Application and Award. Student scholarships are administered by the University Committee on Student Loans and Scholarships. Application for scholarships must be made on forms which may be obtained from The Registrar of the University, and must be filed in the office of The Registrar not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of awards for the second semester, not later than January 1.

Scholarships are awarded for one year, unless otherwise specified. They may be renewed.

Further information may be obtained from The Registrar of the University.

Byron Andrews Scholarships. Two scholarships in the amount of \$100.00 each, founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, are available "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Henry Harding Carter Scholarships. These four scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, are of the annual value of \$50.00 each, and may be awarded to deserving students who are preparing for the civil engineering profession.

Maria M. Carter Scholarship. This scholarship, in the amount of \$40.00 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

Citizens' Military Training Camps Scholarship. The University awards each year, through the Citizens' Military Training Camps of the Third Corps Area, a scholarship carrying tuition (this does not include the University fee, laboratory fees or deposits) for one year in any one of the undergraduate departments. The award is made on the recommendation of the Camp officers.

Isaac Davis Scholarship. This scholarship in the amount of \$40.00 to be awarded annually was given to the University in October, 1869, by Hon. Isaac Davis, Governor of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant." In case no such nomination is made, the scholarship is to be awarded by the University.

Robert Farnham Scholarship. This scholarship in the amount of \$40.00 to be awarded annually to a student in Columbian College was given to the University in 1871 by Mrs. Robert Farnham.

Elma Lewis Harvey Scholarship. This scholarship of the annual value of \$200.00 was founded in 1921 by Mrs. Emma Elizabeth Harvey, in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

High School Scholarships. High school scholarships are awarded annually on the recommendation of the faculties of the respective high schools to a member of the graduating class who intends to enter one of the undergraduate schools or divisions of the University. Students holding these scholarships must maintain a high standard of scholarship and deportment during their tenure.

High School Scholarships are awarded for the entire undergraduate course and the holders are exempt from tuition fees, the Summer Sessions excepted, but pay the University, laboratory, graduation and other fees. They shall be valid for four continuous academic years following the award, subject to all the conditions stated herein. To hold any High School Scholarship a student must carry a full program of study, a full program being defined as at least 15 units of work, unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the Dean of the School or College concerned.

Amos Kendall Scholarship. Founded by the late Hon. Amos Kendall. Assigned for award to the Central High School, Washington, D. C.

University Scholarships. Five scholarships, assigned for award to the Alexandria (Virginia) High School; Business, Eastern, McKinley, and Western High Schools of the District of Columbia.

John Hitz Metzerott Scholarship. This scholarship in the amount necessary to cover tuition charges, exclusive of special fees, was established in 1923 in memory of John Hitz Metzerott, M.D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession. The donors reserve the right to nominate the holder of this scholarship. The holder of the scholarship may be a student pursuing a pre-medical course in Columbian College or the professional course in The School of Medicine.

A. Morehouse Scholarship. This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of \$60.00 available for an undergraduate intending to enter the Christian ministry.

The David Spencer Scholarship. This scholarship in the amount of \$450, established in 1918 by Louisa J. Spencer, is available to the descendants of David and Elizabeth Spencer under conditions stated in the bequest.

The Mary Lowell Stone Scholarship. This scholarship, founded in 1893 in memory of Mary Lowell Stone, is in the amount of \$80.00 to be awarded annually to a woman student of science in Columbian College.

William Walker Scholarship. This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of \$100.00 available for an undergraduate intending to enter the Christian ministry.

John Withington Scholarship. This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the Withington Scholarship. It has an annual stipend of \$60.00.

Ellen Woodhull Scholarship. This scholarship was founded by the late Ellen M. E. Woodhull and is in the amount of \$25.00 to be awarded annually to a student in Columbian College.

COLUMBIAN WOMEN SCHOLARSHIP FUNDS

Columbian Women Scholarships, granted under any of the funds herein after described, are awarded by the Scholarship Committee of Columbian Women. Applications for Columbian Women Scholarships should be

addressed to the Chairman of the Scholarship Committee, Columbian Women, The George Washington University, Washington, D. C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or in case of awards for the second semester not later than January 1.

Nellie Maynard Knapp Scholarship Fund. A fund of \$5,000 was established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women.

Founders of Columbian Women Scholarship Fund. The income from this fund of \$5,000, established in 1920 by the Columbian Women, may be assigned for scholarships.

Third Columbian Women Scholarship Fund. The income from this fund of \$4,310.00, established in 1925 by the Columbian Women, is available for scholarships.

Elizabeth V. Brown Scholarship Fund. This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D. C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in The School of Education.

College Women's Scholarship Fund. The income on this fund of \$500, established in 1926 through the courtesy of the College Women's Club of Washington, D. C., is available for a scholarship.

Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund. This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in The School of Medicine.

PRIZES

Alpha Chi Sigma Prizes. Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

FRESHMAN PRIZES. A "Handbook on Chemistry and Physics" is awarded to each of the three male students who carry at least 18 semester hours during the freshman year and attain the highest averages in freshman chemistry.

SENIOR AWARD. The fraternity shall have engraved on a bronze plaque in the chemistry building the name and year of graduation of the graduating male student who has attained the highest average in chemistry subjects, provided that he has completed the requirements for a major in chemistry and has carried three-fourths of this work in The George Washington University.

Alpha Delta Pi Prize. Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10.00 to the student doing the best work in third-year French.

Alpha Delta Theta Prize. A prize of \$10.00 is offered annually by Alpha Delta Theta Sorority to the woman student who maintains the highest average in Chemistry 3-4 or 5-6.

Chi Omega Prize. Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25.00 to be awarded to the girl in the graduating class with the highest record in the Social Sciences combined with general excellence. The Social Sciences include, Economics, Sociology, and Political Science.

Colonial Dames Prize. The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for general excellence in Colonial History as shown by class standing and special essays.

E. K. Cutter Prize. The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter "for excellence in the study of English." An annual prize of \$40.00 will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Daughters of the American Revolution Prize. This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of a gold medal, awarded annually to the student in the graduating class who, having maintained a high standing in the several courses in History offered by the University, shall produce the best essay upon an assigned topic of American history.

Davis Prizes. The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847, and they are awarded annually to such members of the Senior Class as shall have made the greatest progress in Public Speaking since their connection with the University. The prizes are in gold, as follows: First prize, \$15.00; Second prize, \$10.00; Third prize, \$5.00.

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Only members of the Senior Classes are eligible to compete. Students wishing to enter the competition should report to the Executive Officer of the Department of Public Speaking not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee of three members, appointed by the Department of Public Speaking.

Delta Sigma Rho Prize. Delta Sigma Rho offers annually a cup to be awarded to the winning fraternity or sorority team in the Intramural Debate.

Delta Tau Delta Activity Prize. Gamma Eta Chapter of Delta Tau Delta Fraternity awards each year a gold medal to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University Student Activities."

Delta Zeta Prize. Delta Zeta Sorority offers annually a prize of \$10.00 in gold to be awarded to the student maintaining the highest average in General Botany.

Ellsworth Prize. The Ellsworth Prize of \$25.00 in gold, offered by Mr. Fritz v. Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

Elton Prize. The Elton Prize, founded by the Rev. Romeo Elton, D.D., of Exeter, England, consists of \$10.00 in gold awarded annually to the senior student having the highest average in the Greek Language and Literature.

Willie E. Fitch Prize. The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of \$40.00, which is awarded annually to a senior student for the best general examination in Chemistry.

Morgan Richardson Goddard Prize. This prize, consisting of a gold medal and \$25.00 in gold, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in Commerce.

Edward Carrington Goddard Prize. This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French language and literature.

James Douglas Goddard Prize. This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior student making the highest average in Pharmacy.

Samuel Herrick Prize. A prize of \$25.00, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in The Law School (excepting the winner of the John Bell Larner gold medal), who has attained the highest average grade in the work of the third year.

Gardiner G. Hubbard Memorial Prize. This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The prize in the amount of \$40.00 is awarded annually to that member of the graduating class who has during four years maintained a high standing in the several classes in History, and who has produced the best essays upon subjects based upon a study of some assigned period of American History.

Kappa Delta Prize. Kappa Delta Fraternity offers, annually, a silver loving cup to that girl of the Freshman Class, registered for a degree in Columbian College, The School of Engineering, The School of Education, The School of Government, The Division of Library Science or The Division of Fine Arts, who attains the highest scholastic average during her first year of not less than 24 semester hours of work.

Kappa Kappa Gamma Prize. Kappa Kappa Gamma Sorority offers annually a gold medal for excellence in Botany. This is awarded to the best full time freshman in Botany 1-2.

John Bell Larner Prize. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class in The Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

John Ordronaux Prizes. These two prizes were established in 1909 by the bequest of John Ordronaux.

MEDICAL PRIZE. The amount of \$100.00 is awarded to the member of the graduating class in The School of Medicine who has the highest scholastic standing.

LAW PRIZES. The amount of \$50.00 is awarded annually to the student who has attained the highest average grade in the first year, full-time, regular course; and \$50.00 to the student who has attained the highest average grade in the second year, full-time, regular course.

Pharmacy Prizes:

FIRST YEAR. The Faculty of The School of Pharmacy awards annually \$5.00 in gold to the first-year student having the largest number of Pharmaceutical Galenical specimens, rated as the best, throughout the year.

SECOND YEAR. The Faculty of The School of Pharmacy awards annually \$5.00 in gold to the second-year student having the largest number of prescription specimens, rated as the best, throughout the year.

Phi Delta Prize. Zeta Chapter of Phi Delta Sorority offers annually a gold medal to the outstanding freshman student in Elementary Zoology.

Phi Delta Gamma Prizes. The George Washington University Chapter of Phi Delta Gamma offers annually a silver cup and two gold medals for the three best original freshman orations. The formal contest by which the winners are selected, is under the management of the George Washington University Chapter of Phi Delta Gamma.

Pi Beta Phi Prize. A prize of \$20.00 in gold is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the Senior Class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

Ruggles Prize. The Ruggles Prize, founded by Professor William Ruggles, LL.D., in 1859, consists of \$20.00 in gold awarded annually to a student in the Senior College for excellence in Mathematics.

Scarab Prizes. The Scarab Fraternity awards each year to students in The Division of Fine Arts:

A bronze medal for the best Class B projet; a silver medal for the best Class A and B Archaeology; a silver medal for the best Class A projet.

Sigma Kappa Prizes:

ENGLISH. An annual prize of a set of books to the value of \$10.00 is offered by Zeta Chapter of Sigma Kappa Sorority to the student passing the best examination in the year's work in English Rhetoric.

CHEMISTRY. A prize of \$10.00 is offered by Zeta Chapter of Sigma Kappa Sorority to the student who passes the best examination in Freshman Chemistry.

Sigma Tau Prize. Xi Chapter of Sigma Tau offers annually a gold medal to the freshman in The School of Engineering who maintains the highest scholastic standing throughout the year.

Staughton Prize. The Staughton Prize, for excellence in the Latin Language and Literature, founded by the Rev. Romeo Elton, D.D., of Exeter, England, consists of \$10.00 in gold, annually awarded to the senior student making the best record in this language.

James Macbride Sterrett, Jr., Prize. This prize, founded by the late Professor James Macbride Sterrett, in memory of his son, consists of a gold medal awarded annually to that student who obtains the highest average in the course in General Physics.

Thomas F. Walsh Prize. This prize, established by Thomas F. Walsh, Esq., of Colorado, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the several courses in History, shall produce the best essay upon a designated period of the History of England in its association with the History of Ireland.

Alexander Wilbourne Weddell Prize. From a fund established by a gift of Mrs. Virginia Chase Weddell, an annual prize of \$200.00 is awarded to a student of the University, who is registered for a degree, for the best essay on the subject of "the promotion of peace among the nations of the world." The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

Women's Athletic Association Prize. A cup is awarded annually to the member of the graduating class who has done most in the furtherance of athletics for the women in the University.

LOAN FUNDS

Loan funds are administered by the University Committee on Student Loans and Scholarships. Applications upon the required forms should be filed in the office of the Registrar at least three days before the first day of registration, in the case of the University Loan Fund; and at least two weeks before, in the case of loans from other sources. Loans will be limited to the amount required for tuition in each case.

Applicants must submit at least four references, one of which must be that of a physician, and in the case of new students, one must come from the head of the institution last attended. Borrowers will sign notes for the amount borrowed. The terms of repayment of interest and principal will be arranged at the time of making the loan.

No candidate shall be approved for graduation by any faculty of the University if they have knowledge that the student is delinquent in a loan obligation incurred for education purposes either at The George Washington University or elsewhere.

University Student Loan Fund. The Trustees of The George Washington University have established a loan fund amounting to \$5,000.

American Bankers Association Loan Scholarship. The Educational Foundation of the American Bankers Association has established a loan scholarship of \$250.00 for the year 1930-31. Loans are limited to students taking courses in classes of junior or higher grade in Banking and Economics, and who are dependent for their education either in part or wholly upon their own efforts.

Daughters of the American Revolution Loan Fund. The District of Columbia Daughters of the American Revolution have established a revolving student loan fund, from which interest-bearing loans will be made to the daughters of members of the Daughters of the American Revolution in the District of Columbia. At present the fund amounts to \$2,409.03.

Harmon Foundation Loan Fund. The Harmon Foundation has established a fund of \$1,000 to be loaned to students of junior grade or above in courses leading toward a degree in the liberal arts or one of the professions. Loans are limited to students who are citizens of the United States and whose means of education are dependent either in part or wholly upon their own efforts.

Henry Strong Educational Foundation. From this fund established under the will of General Henry Strong of Chicago, an annual allotment of \$540.00 is made to The George Washington University for loan scholarships available for the use of young men and women students under the age of 25 years, preferably in the upper classes, to aid them in obtaining a "practical, literary, scientific, mechanical or business education."

Henry Strong-William A. Maury Loan Fund. This fund amounting to \$500.00 a year is also allocated from the funds of the Henry Strong Educational Foundation, to be loaned to students in The George Washington University Law School.

The Knights Templar Educational Loan Fund. This fund is contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia and is available for loans to students, preferably in the upper classes. The amount loaned to a student is limited to \$200.00 and the terms of repayment are specially arranged in each instance.

REGULATIONS

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required except in the case of students registered for courses under the Independent Study Plan. For undue absence in any class a student may be dropped from the class. Tuition charges are made on a semester basis and in no case will tuition be refunded or reduced because of non-attendance upon classes.

Students who have been suspended for delinquency in payment of fees or who have been suspended for any other reason are not permitted to attend classes during the period of suspension.

Non-continuous Attendance. Students absent for one or more continuous academic years may re-enter and continue their work only under the rules and regulations in force at the time of their return.

For further regulations regarding attendance consult the announcements of the several schools.

WITHDRAWALS AND CHANGES OF COURSE

All registrations are for the semester, unless otherwise stated in the registration paper. A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the proper officers.

A student who is obliged to withdraw from the University during the semester, or to drop a course before its completion, should immediately report in person or in writing to the Dean of the college or school in which he is registered for authorization to effect such change of status. Reporting the dropping of a course to an instructor does not effect its discontinuance. No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record. See page 54.

PHYSICAL EDUCATION REQUIREMENTS

Regular freshman and sophomore courses in Physical Education are arranged for men and women students in The Junior College, The School of Engineering, The School of Pharmacy, and The Division of Fine Arts.

These courses in physical education are required of all freshman and sophomore students, provided only that students taking less than three subjects, and students all of whose work is in the late afternoon hours, are specifically exempt from this provision of requirements in physical education.

Any other exemption from the requirements of physical education for men, and physical education for women, is conditioned on the recommendation of the University Medical Staff to the Executive Officer of Physical Education in the department concerned. This applies equally to men and women.

Students entering the first or second years of either of the departments of the University above mentioned with advanced standing are not exempt from the physical education requirements unless they have satisfactorily met the requirement elsewhere.

The required medical and physical examinations are given beginning September 20, and should be completed before October 8, 1930.

SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the school in which he is registered is subject to probation or to being dropped from the University.

EXAMINATIONS

Examinations are scheduled in all courses at the end of each term or the completion of the course.

Students guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs, and suspended or expelled from the University.

For further regulations regarding examinations consult the announcements of the several schools.

GRADES

As soon as possible after final examinations reports are issued through the office of the Registrar. Grades are not given out by instructors. For detailed information concerning the grading system consult the announcements of the several schools.

CONDITIONS AND FAILURES

Students who do not make a passing grade in any course are either conditioned or have failed. A condition may be removed and credit for the course received in accordance with the requirements of the several schools. A failure may not be removed, and credit for the course may be received only after repeating the course with a passing grade.

Entrance Conditions—See "Admissions."

GRADUATION REQUIREMENTS

Application for graduation should be filed at the time of registration for the first semester of the senior year, and may not be later than thirty days before the date of graduation.

On request the Registrar will furnish to students balance sheets showing the amount of work completed and the amount necessary to complete the requirements for a degree.

To be recommended for graduation in any department of the University, a student must have met the admission and residence requirements of the school in which he is registered; have completed satisfactorily the requirements for the degree for which he is registered; and be free from all indebtedness to the University.

The University reserves the right of refusing to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Candidates are expected to be present at the graduation exercises, unless special arrangements have been made through the Dean of their college for conferring the degree "in absentia."

CREDIT

Credit toward a degree is given only after regular registration for, attendance in, and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several schools.

TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request to other institutions. Copies of records will be furnished to students on request. No charge is made for the first transcript or copy; a fee of one dollar is charged for each one thereafter. (See page 54, "Withdrawal.")

THE LIBRARY

A modified Cutter classification system is used and the books are on open shelves of the reading room. The catalogue contains in one general alphabetical list the names of authors, subjects, and titles.

See announcements of The School of Medicine and The Law School for information concerning the use of the special libraries.

CIRCULATION

When a desired book has been found in the catalogue, the classification number or call number and the author and title should be copied from the card and handed to the attendant.

Books for Home Use.

1. Books, pamphlets, and periodicals not reserved for reference may be withdrawn by students, faculty, and alumni of the University for a period of one week. They may be renewed for the same period, except when there is a special demand for them.

2. Books, pamphlets, and periodicals shall be recorded at the Librarian's desk before they are taken from the Library.

3. Books withdrawn from the Library shall, upon their return, be brought to the Librarian's desk to be discharged.

4. A record is not clear as long as there is an over-due charge for books or magazines against a student, and the failure to return them will be referred for action to the Dean of the college in which the student is registered and to the Comptroller of the University.

Reserve and Reference Books.

1. Books assigned for supplementary reading are reserved. Books will be placed on reserve as they are requested in writing by the professors.

A reserve book may be secured by filling out a reserve book slip at the reserve section. The book may not be taken from the reading room of the Library. It must be returned to the reserve section by the reader to whom it is charged, and the signed slip will be returned as a receipt. Any student taking a reserve book from the room will be reported for suspension to his Dean. When a book is in great demand, the period of use may be restricted.

2. The Reference section consists of dictionaries, encyclopedias, guides, indexes, yearbooks, almanacs, atlases, and other standard reference books. They are kept on the shelves of the reading room at all times, and may be used only in the room.

STUDENT LIFE

LIVING ACCOMMODATIONS

The George Washington University is an urban institution. It maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins. Renting by mail is unsatisfactory. Lists of houses will be mailed on request, but students are advised to make personal inspection before engaging rooms.

Women Students. All women students under 23 years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

APPOINTMENT BUREAU

The Appointment Bureau is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. A teacher placement service is included in the work of this department. Enrollment is open to graduates and students without charge for placement.

Student Employment. An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself. Earnings in full-time work range from sixty to one hundred and twenty-five dollars a month; in part-time and occasional work, an average of about forty dollars a month can be earned under favorable circumstances.

Prospective students who expect to earn any part of their expenses, and who do not have definite appointment to positions before coming to Washington, should have the means of support for at least one semester. A minimum budget of one hundred dollars a month is recommended.

Many out-of-town students take the United States Civil Service examinations in their home states and secure positions in the Government depart-

ments in Washington, where the hours of employment enable them to pursue a limited college course in the late afternoon.

For further information address:

The Appointment Clerk,
The George Washington University,
Washington, D. C.

HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration, page 266.

STUDENT ACTIVITIES

Privileges. Payment of the University fee charged all students secures to them the following student activity privileges:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least 60 per cent of the number of hours constituting a full course in his department. No man student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an inter-collegiate contest.

Control. Control and direction of all student activities are vested in the Committees on Extra Curricular Activities, which in turn are subject to the supervision and control of the President's Council.

ASSEMBLIES

Chapel exercises will be held on Fridays at 12:10 o'clock in Corcoran Hall.

University Assemblies will be held from time to time. The attendance of students may be required.

Assemblies for Freshman Women will be held on Wednesdays at 12:10 o'clock in Corcoran Hall. The attendance of all freshman women is required throughout the year.

PERSONAL PROPERTY OF STUDENTS

The University is not responsible for the loss of personal property belonging to students in any University building.

CONDUCT OF STUDENTS

A student enrolled in the University is required to conform to the general University regulations and to comply with the rules and regulations of the college in which he is registered.

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

RESERVATION OF RIGHT TO CHANGE RULES

The University and its various colleges and schools reserve the right to modify or change the requirements, rules and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students in the University.

For further information, catalogues, and application blanks, address "The Registrar, The George Washington University, 2033 G Street, Washington, D. C."

THE COLLEGES, SCHOOLS, AND DIVISIONS

THE JUNIOR COLLEGE

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
 HENRY GRATTAN DOYLE, A.M., *Dean of The Junior College.*
 ELMER LOUIS KAYSER, A.M., *Director of the Division of Special and Extension Students.*

COMMITTEES

The President of the University and the Dean of The Junior College are ex-officio members of all committees.

EXECUTIVE COMMITTEE†

HENRY GRATTAN DOYLE, *Chairman*

WILLARD HAYES YEAGER	DUDLEY WILSON WILLARD
MERLE IRVING PROTZMAN	JOHN ALBERT TILLEMA
PAUL WILLIAM BOWMAN	DOUGLAS BEMENT

ADMISSION AND ADVANCED STANDING

HAROLD GRIFFITH SUTTON, *Chairman*

WARREN REED WEST	LOWELL JOSEPH RAGATZ
AUDLEY LAWRENCE SMITH	PAUL WILLIAM BOWMAN

SCHOLARSHIP

WILLARD HAYES YEAGER, *Chairman*

MERLE IRVING PROTZMAN	LELAND ARTHUR BROWN
ANNA PEARL COOPER	EDGAR WILLIAM WOOLARD

DISCIPLINARY RELATIONS

ROBERT WHITNEY BOLWELL, *Chairman*

FRED AUGUST MOSS	DUDLEY WILSON WILLARD
RUTH HARRIET ATWELL	FLORENCE MARIE MEARS

REGISTRATION

DOUGLAS BEMENT, *Chairman*

JOHN ALBERT TILLEMA	IRENE CORNWELL
JOHN RUNYON LARGE	ERNEST SEWALL SHEPARD

* Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority
 † Elected by the faculty.

EXAMINATION AND SCHEDULE

FRANCIS EDGAR JOHNSTON, *Chairman*

RICHARD NORMAN OWENS

JAMES EBENEZER PIXLEE

RALPH BAXTER FOSTER

BENJAMIN DOUGLASS VAN EVERA

LIBRARY

ELMER LOUIS KAYSER, *Chairman*

EDGAR AUGUSTUS JEROME JOHNSON

ALAN THOMAS DEIBERT

COURTLAND DARKE BAKER

THELMA HUNT

JUNIOR COLLEGE ADVISERS*

General—DOUGLAS BEMENT, ANNA PEARL COOPER, IRENE CORNWELL, ALAN THOMAS DEIBERT, ELMER LOUIS KAYSER, LOWELL JOSEPH RAGATZ, AUDLEY LAWRENCE SMITH, BENJAMIN DOUGLASS VAN EVERA.

Bachelor of Science—PAUL WILLIAM BOWMAN, WALTER LYNN CHENEY.

Commerce and Business Administration—RICHARD NORMAN OWENS.

Government and Foreign Service—WARREN REED WEST.

Pre-Legal—HECTOR GALLOWAY SPAULDING.

Pre-Medical—FRED AUGUST MOSS.

Library Science—ALFRED FRANCIS WILLIAM SCHMIDT.

Education—WILLIAM CULLEN FRENCH.

Home Economics—FRANCES KIRKPATRICK.

Physical Education—RUTH HARRIET ATWELL, JAMES EBENEZER PIXLEE.

ACTIVE LIST

WILLIAM ALLEN WILBUR, A.M., Litt.D., *Professor of English.*

JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*

HIRAM COLVER MCNEIL, Ph.D., *Professor of Chemistry.*

†THOMAS BENJAMIN BROWN, Ph.D., *Professor of Physics.*

HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*

RICHARD NORMAN OWENS, C.P.A., Ph.D., *Professor of Accounting and Business Administration.*

FRED AUGUST MOSS, Ph.D., M.D., *Professor of Psychology.*

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*

JAMES EBENEZER PIXLEE, B.S., *Professor of Physical Education for Men.*

DUDLEY WILSON WILLARD, Ph.D., *Professor of Sociology.*

HARRY GRANT HODCKINS, A.B., *Associate Professor of Mathematics.*

ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*

ANNA PEARL COOPER, A.M., *Associate Professor of English.*

MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*

WARREN REED WEST, Ph.D., *Associate Professor of Political Science.*

* Arranged alphabetically.

† On sabbatical leave 1930-1931.

- LELAND ARTHUR BROWN, PH.D., *Associate Professor of Zoology.*
JOHN ALBERT TILLEMA, PH.D., LL.B., *Associate Professor of Political Science.*
RUTH HARRIET ATWELL, PH.B., *Associate Professor of Physical Education for Women.*
EDGAR AUGUSTUS JEROME JOHNSON, PH.D., *Associate Professor of Economics.*
RALPH BAXTER FOSTER, A.M., *Assistant Professor of Romance Languages.*
ALAN THOMAS DEIBERT, A.M., *Assistant Professor of Romance Languages.*
AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*
LOWELL JOSEPH RAGATZ, PH.D., *Assistant Professor of History.*
JAMES CHRISTOPHER CORLISS, A.M., *Assistant Professor of Romance Languages.*
COURTLAND DARKE BAKER, A.M., *Assistant Professor of English.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
IRENE CORNWELL, PH.D., *Assistant Professor of Romance Languages.*
FLORENCE MARIE MEARS, PH.D., *Assistant Professor of Mathematics.*
EDGAR WILLIAM WOOLARD, PH.D., *Assistant Professor of Mathematics.*
BENJAMIN DOUGLAS VAN EVERA, M.S., *Assistant Professor of Chemistry.*
FRANCES KIRKPATRICK, A.M., *Assistant Professor of Home Economics.*
PAUL WILLIAM BOWMAN, PH.D., *Assistant Professor of Botany.*
RAYMOND JOHN SEEGER, PH.D., *Assistant Professor of Physics.*
ERNEST SEWALL SHEPARD, A.M., *Instructor in English.*
THELMA HUNT, PH.D., *Instructor in Psychology.*
MARTHA GIBBON, A.M., *Instructor in English.*
THEODORE ROSKAM JEHNE, A.M., *Instructor in German.*
JOHN RUNYON LARGE, M.S., *Instructor in Botany.*
JANET PIERSON JONES, B.S., *Instructor in Physical Education for Women.*
ARTHUR HOWARD HUGHES, A.M., *Instructor in German.*
WILLIAM C. JOHNSTONE, JR., PH.D., *Instructor in Political Science.*

INTRODUCTORY STATEMENT

The Junior College includes the first two years of college work. Its curriculum is intended to continue the studies of a general cultural nature begun in the elementary and secondary schools, and to lay the foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the mental tools necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign language, mathematics, etc.).

The Junior College also provides the pre-professional work required for admission to the respective Schools of Law, Medicine, Education, Government, and Library Science.

In addition, it provides several two-year courses of study, leading to the Junior Certificate, intended to meet the needs of students who do not look forward to a four-year college course.

In order that students may have abundant opportunities, not only for assistance in planning their courses of study at the time of registration, but also for technical and vocational advice in every phase of their academic work during the first two years, a number of members of the faculty serve as members of the Board of Advisers to Junior College Students. Students are ordinarily expected to consult with the same advisers throughout their freshman and sophomore years, it being understood that these members of the faculty act in the capacity of educational advisers rather than as representatives of their respective departments of instruction.

ADMISSION REQUIREMENTS

Candidates for admission to The Junior College must submit 15 units of accredited secondary school work which shall include:

For Courses other than the Pre-Medical Course:

English, 3 units; Foreign Language, 2 units (both in the same language); Algebra, 1 unit; Plane Geometry, 1 unit; Electives, 8 units.

For the Pre-Medical Course:

English, 3 units; Foreign Language, 2 units (Latin is desirable and both units must be in the same language); Algebra, 1 unit; Geometry, 1 unit; History, 1 unit; Science, 1 unit; Botany, Chemistry, Physics or Zoology). Two additional units must be in English, Foreign Language, Mathematics, Science, or History; Electives, 4 units.

No candidate will be accepted with any condition in secondary school work.

A unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 43.

REGISTRATION

See page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned in The Junior College:

Byron Andrews Scholarship; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; Robert Farnham Scholarship; Elma Lewis Harvey Scholarship; John Hitz Metzerott Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Mary Lowell Stone Scholarship; William Walker Scholarship; John Withington Scholarship; Ellen Woodhull Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning application for loan funds and their administration, see page 63.

CERTIFICATE OF JUNIOR STANDING

Upon the satisfactory completion of the requirements of The Junior College, a Certificate of Junior Standing is granted. This certificate is required for admission to the junior class of Columbian College and to the professional schools which require two years of pre-professional work. See curriculum requirements.

Honorable Mention with the Junior Certificate. Honorable mention will be granted with the Junior Certificate in accordance with the regulations of the faculty.

REQUIREMENTS FOR THE CERTIFICATE

To be recommended for a Certificate, the student must satisfy the admission, scholarship and curriculum requirements. The curriculum requirements include at least 64 semester hours of credit. A semester hour of credit is one recitation or lecture a week or one laboratory period a week for one semester.

Scholarship. At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A—3 points, B—2 points, C—1 point, D—0 point for each semester hour of credit.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students.

Application for the Junior College Certificate. Application for the Junior College Certificate should be filed at the time of registration for the first semester of the sophomore year.

JUNIOR COLLEGE CURRICULA

The following courses lead to a Junior Certificate and, with the exception of the specialized Junior College Curricula, certify the holder for admission to Columbian (the senior) College and the Professional Schools and Divisions. Provision is made for certain differentiations to meet the needs of preparing for the several professional fields.

A. The Junior College Curricula (2 years)

I. *General Course.*

This course is intended for students who do not look forward to a four-year college course or to advanced study. Through study with the best thought in the fields of human endeavor, it aims to provide the essential intellectual background of an educated person, and to lay the foundations upon which may be built a solid structure of broad knowledge and good citizenship.

II. *Secretarial and Business Course.*

This course, when supplemented by adequate training and experience in shorthand, typewriting, office practice, etc., is intended to furnish a fundamental business education in preparation for positions as secretaries and minor business executives.

B. Curricula for admission to Columbian College.

I. *Bachelor of Arts*, Curriculum leading to the

This course comprises the first two years of a standard four-year course in arts and letters, leading to the degree of Bachelor of Arts, granted by Columbian College.

II. *Bachelor of Science*, Curricula leading to the

These curricula constitute two-year courses with emphasis upon the sciences. Students intending to study in the Senior College for the Bachelor of Science degree in Botany, Geology, or Zoology, should follow Curriculum BIIa. Those desiring the Bachelor of Science degree in Chemistry, Mathematics, or Physics, should follow Curriculum BIIb.

C. Curriculum for admission to the Medical School

This course covers the required college work for entrance to the Medical School and satisfies the requirements of the first two years of the combined A.B. and M.D. course. (See page 121.)

D. Curriculum for admission to The Law School

This course satisfies the work of the first two years of the combined A.B. and LL.B. course. (See page 147.)

E. Curricula for admission to The School of Education

I. *Bachelor of Arts in Education*, Curriculum leading to the

This course covers the required college work for entrance to The School of Education. The requirements may be modified in some instances on the basis of the work presented for entrance. In the social sciences it is required that a survey of the world's history be obtained.

II. *Bachelor of Arts in Home Economics*, Curriculum leading to the

This course covers the first two years of preparation for majors in Home Economics, for prospective teachers and others, leading to the degree of Bachelor of Arts.

III. *Bachelor of Science in Physical Education*, Curriculum leading to the

This course covers the first two years of a four-year course in Physical Education for Men and Physical Education for Women, leading to the degree of Bachelor of Science in Physical Education.

F. Curricula for admission to The School of Government

This course covers the work required for entrance to curricula offered in The School of Government, which are: General Course in Government, Foreign Service Course, Domestic Commerce Course, Foreign Commerce Course, Finance Course, and Business Administration Course.

G. Curriculum for admission to The Division of Library Science

This course is planned for students expecting to enter The Division of Library Science. It provides for a reading knowledge of French and German and outlines the work necessary as a basis for the technical work to follow. (See page 192.)

CURRICULUM REQUIREMENTS

The following curriculum statements include courses intended to meet the respective requirements for entrance to The Senior Colleges and the Professional Schools.

1. *Change of Curriculum.* After having selected a curriculum group a student is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

2. *Examinations for the purpose of waiving curriculum requirements.* A student desiring to omit a required course may take such examination as the department prescribes and on passing satisfactorily, he may be relieved of the curriculum requirements in that subject, and qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should notify the Dean.

A fee of \$10.00 for each examination is to be paid at the Comptroller's Office and the receipt exhibited at the door of Room 27, Building (?), on September 25 or 26, at 2 p. m. for the first semester; and February 5 or 6, at 2 p. m. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination arrangements will be made accordingly.

3. *Foreign Language Requirements.* A student offering four years of a single foreign* language or its equivalent for admission is not required to take any foreign language. If he offers two or three years of a single foreign language, he must take one year of the same language.

Every student must also possess a reading knowledge of a modern foreign language and must file with the Registrar a certificate of that fact given by one of the foreign language departments before he may enter upon the studies of his Junior year. For the degree of Bachelor of Science this language work must be in French or German.

Examinations in foreign languages will be given between October 15 and November 1, and April 15 and May 1. Students should consult the Executive Officer of the department concerned.

Students are referred to the foreign language requirements in the Graduate School.

*"Foreign language" means French, German, Spanish, Greek or Latin. "Modern foreign language" means French, German, or Spanish.

MAN YEAR

TO PROFESSIONAL SCHOOL

C-III B. S. in PHYSICAL EDUCATION	D PRE-I
English 1-2	6 English 1-
	* French, German, Spanish
History, Political Science, or Sociology	6 Political S 9-10 †European
ology 3-4	8 † Botany, Geology, Zoology
<i>For Men</i> Physical Education 2 and 11-12	10
<i>For Women</i> Physical Education 2 and 5-6	8
<i>For Men</i> (academic)	4 or 6
<i>For Women</i> (academic)	6
e above)	
<i>For Men</i> 34 or 38 <i>For Women</i> 34	

FOR ADMISSION		
GROUP	B-I A. B. GENERAL	B-IIa B.A. Boe d e r l. s - e
ENGLISH	English 51-52 or English 91-92	6 (See So
FOREIGN LANGUAGES	* Latin, Greek, French, German, Spanish (or elective)	6
SOCIAL STUDIES	Economics, History, Political Science, or Sociology	6 Econom Politica Sociolog (or F
MATHEMATICS and SCIENCES		Physics Chemist Zoology
GROUP ELECTIVES and TECHNICAL COURSES		
ELECTIVES		12
REQUIRED PHYSICAL EDUCATION		2
TOTAL	32	

* For Foreign Language Requirements, see Page 82.

† An elective may be substituted with the permission of the

**TWO-YEAR JUNIOR COLLEGE
CURRICULA**
(Leading to Junior Certificate)

T the C Pro 1. stud that 2. stud the of t in stud suc A Off Sep at exa arr 3 sing take fore E lan one stud lan E Nov tive S ate — * eign	E-MEDICAL		G LIBRARY SCIENCE		A-I GENERAL		A-II SECRETARIAL and BUSINESS ADMINISTRATION	
			English 51-52 or English 91-92	6	English 51-52 or English 91-92	6	English 51-52 or English 91-92	6
			* French, or German (or elective)	6	* Latin, Greek, French, German, or Spanish (or elective)	6		
			Education, or Sociology 27-28	6	Economics, or Sociology	6	Economics 1-2	6
			Psychology 1-2	6	Botany, Geology, or Zoology	6 or 8	Commercial Law, or Advanced Account- ing Psychology	6 6 12
			French or German	(6)	Education, or Psychology	6	Public Speaking	6
		8		6				
		2		2		2		2
		32		32		32 or 34		32

HOURS OF INSTRUCTION

Time. There are morning and late afternoon sections in most courses, so that students may take work during the forenoon and early afternoon or in the periods between 5:10 and 7:00 o'clock. By taking the late afternoon and summer classes, and by extending the time of study beyond the customary four years, a student able to give only part time to college work may complete the full course and obtain a degree.

Courses Offered. The courses of instruction listed in alphabetical order and the hours when courses are offered will be found beginning on page 214.

Junior College students may not take second-section courses (courses numbered 100 or above) without previous written permission of the instructor or his representative and the written approval of the Dean of The Junior College.

REGULATIONS

Students in The Junior College are subject to the University regulations as stated, beginning on page 65.

AMOUNT OF WORK

1. Fifteen units, not including required Physical Education, constitute normal work. Students in good standing may be permitted by the Dean to take *sixteen* or *seventeen* units.
2. Students on the Honor Roll (see below) may with the permission of the Dean take *eighteen* or *nineteen* units. No student may take more than *nineteen* units except by special permission of the Scholarship Committee of the College.
3. For employed students, working more than twenty-four hours per week, *nine* units, not including required Physical Education, is normal work. Employed students in good standing may be permitted by the Dean to take *ten* units. Employed students on the Honor Roll (see below) may be permitted by the Dean to take *twelve* or *thirteen* units.
4. A student shall not register concurrently in The Junior College and in any other school of this or another institution except by the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Advanced Standing.

ATTENDANCE

1. The student is held responsible to the instructor in charge for all the work of a course in which he is registered and all absences must be excused before provision will be made for him to make up the work missed.

2. With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester hours of credit for the semester, will be automatically excused. (Where a course has distinct divisions, such as lectures, laboratories, recitations, etc., these excuses apply pro-rata to such separate divisions.) In applying this rule, absences adjacent to holiday periods are to be counted double.

3. Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses, while students on the honor roll are left upon their own responsibility.

4. Excuses for any absence in excess of those automatically excused, as well as for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of The Junior College.

MAKE-UP EXAMINATIONS

1. Unless sanctioned by special approval of the Dean of the College, examinations given as a means of making up grades of (E) or (Inc.) should be given only after the lapse of a term of study, and only during the examination period at the end of a regular, fall, spring, or summer term, or during the week preceding registration in September. The department concerned will specify the exact date within these periods.

2. Application for such an examination must be made to the department concerned, in writing, at least a week in advance of the date set.

3. A student failing to pass such an examination may not obtain credit for the course except by repeating it in class.

GRADES

The following grades are given: A (90-100) excellent; B (80-89) good; C (70-79) average; D (60-69) passing; E (below 60) conditioned (not passing); F, failure; Inc., incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given, unless the work is repeated in class. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above "E."

SCHOLARSHIP

At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A—3 points; B—2 points; C—1 point; D—0 point for each semester hour of credit. This means an average of C.

1. SUPERIOR SCHOLARSHIP.

Honor Roll. The names of those who make an average of "A" or "B" in any semester will be placed on an Honor Roll and published. A place on the Honor Roll does not necessarily mean that a student will receive honors upon graduation.

2. POOR SCHOLARSHIP.

a. *Probation.* A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

b. *Dismissal.* A student who receives a grade of E or F in two courses in two successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. For the purpose of these rules a Summer Session will be considered a semester.

3. *Students with Limited Schedules.* In the case of students with limited schedules these scholarship rules will be applied only when the student has undertaken fifteen units or multiples thereof, unless he receives a grade of E or F in two courses in two successive semesters.

4. Courses duly dropped or graded "Incomplete" and required courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

3. SCHOLARSHIP REQUIREMENTS FOR CERTIFICATION.

See Requirements for the Junior certificate, page 79.

4. ELIGIBILITY FOR STUDENT ACTIVITIES.

a. A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an

officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. The Dean of the College may declare a student ineligible to participate in any student activity when in the opinion of the Dean the student's participation in such activity would be detrimental to his own best interests or the interests of the University.

CHANGES IN COURSE

1. A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor, except: (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

2. Changes in schedule from one section to another of the same course may be made at any time with the consent of the executive officer of the department. See regulations regarding changes and withdrawals on page 54.

CLASSIFICATION OF STUDENTS

Sophomore. A student who has satisfactorily completed at least 32 semester hours of work including 18 semester hour credits in his curriculum requirements shall be classed as a sophomore.

SPECIAL STUDENTS

Persons at least 21 years of age may apply for admission as special students. They must present a statement of work completed in accredited schools or colleges on the regularly accepted form of the University. If this certificate does not show that they have had the proper preliminary courses for the work they wish to pursue, they must obtain the permission of the department involved.

Special students may qualify for candidacy for a degree by meeting all the entrance requirements, but not more than one year's credit (thirty semester hours) earned as a special student may be counted toward a degree.

COLUMBIAN COLLEGE

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

†CHARLES EDWARD HILL, PH.D., *Dean of Columbian College.*

JOHN DONALDSON, PH.D., *Acting Dean of Columbian College.*

COMMITTEES

THE DEAN'S COUNCIL

JOHN DONALDSON, *Chairman*

1931

COLIN MACKENZIE MACKALL

HAROLD GRIFFITH SUTTON

1932

ROBERT WHITNEY BOLWELL

WARREN REED WEST

1933

SAMUEL FLAGG BEMIS

ADMISSION AND ADVANCED STANDING

JOHN DONALDSON, *Chairman*

HAROLD GRIFFITH SUTTON, *Secretary*

AUDLEY LAWRENCE SMITH

EDWARD HENRY SEHRT

SCHOLARSHIP

COLIN MACKENZIE MACKALL, *Chairman*

JAMES HENRY TAYLOR

MERLE IRVING PROTZMAN

REGISTRATION

WARREN REED WEST, *Chairman*

WALTER LYNN CHENEY

DOUGLAS BEMENT

EXAMINATION AND SCHEDULE

FRANCIS EDGAR JOHNSTON, *Chairman*

ELMER LOUIS KAYSER

BENJAMIN DOUGLASS VAN EVERA

LIBRARY

ROBERT WHITNEY BOLWELL, *Chairman*

ALAN THOMAS DEIBERT

JOHN ALBERT TILLEMA

DISCIPLINARY RELATIONS

JOHN DONALDSON, *Chairman*

ANNA PEARL COOPER

WILLARD HAYES YEAGER

* Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority.

† On sabbatical leave 1930-1931.

EMERITUS PROFESSORS

JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus of Mathematics.*

CHARLES EDWARD MUNROE, PH.D., LL.D., *Professor Emeritus of Chemistry.*

CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus of History.*

ACTIVE LIST

HOWARD LINCOLN HODGKINS, PH.D., Sc.D., *Professor of Mathematics.*

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*

PAUL BARTSCH, PH.D., *Professor of Zoology.*

GEORGE NEELY HENNING, A.M., LITT.D., *Professor of Romance Languages.*

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*

EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*

RAY SMITH BASSLER, PH.D., *Professor of Geology.*

OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology.*

DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*

†ROBERT RUSS KERN, A.B., *Professor of Sociology.*

TRUMAN MICHELSON, PH.D., *Professor of Ethnology.*

†CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*

JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*

HIRAM COLVER McNEIL, PH.D., *Professor of Chemistry.*

†THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics.*

HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*

ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*

JOHN DONALDSON, PH.D., *Professor of Political Economy.*

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry.*

GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*

SAMUEL FLAGG BEMIS, PH.D., *Professor of History.*

COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*

EDWARD HENRY SEHRT, PH.D., *Professor of German.*

ROBERT WHITNEY BOLWELL, PH.D., *Professor of American Literature.*

WALTER LYNN CHENEY, PH.D., *Professor of Physics.*

FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*

JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*

DUDLEY WILSON WILLARD, PH.D., *Professor of Sociology.*

JOSEPH KIRK FOLSOM, PH.D., *Visiting Professor of Sociology.*

MARK ANSON SMITH, PH.D., *Professorial Lecturer on Economic History.*

HARRY GRANT HODGKINS, A.B., *Associate Professor of Mathematics.*

ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*

†On sabbatical leave 1930-1931

- HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
 ANNA PEARL COOPER, A.M., *Associate Professor of English.*
 MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
 WARREN REED WEST, Ph.D., *Associate Professor of Political Science.*
 LELAND ARTHUR BROWN, Ph.D., *Associate Professor of Zoology.*
 JOHN ALBERT TILLEMA, Ph.D., *Associate Professor of Political Science.*
 FRANK MARK WEIDA, Ph.D., *Associate Professor of Mathematics.*
 EDGAR A. J. JOHNSON, Ph.D., *Associate Professor of Economics.*
 ALVA CURTIS WILCUS, Ph.D., *Associate Professor of Hispanic-American History.*
 RALPH BAXTER FOSTER, A.M., *Assistant Professor of Romance Languages.*
 ALAN THOMAS DEIBERT, A.M., *Assistant Professor of Romance Languages.*
 AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*
 LOWELL JOSEPH RAGATZ, Ph.D., *Assistant Professor of History.*
 FRANCIS EDGAR JOHNSTON, Ph.D., *Assistant Professor of Mathematics.*
 JAMES CHRISTOPHER CORLISS, A.M., *Assistant Professor of Romance Languages.*
 COURTLAND DARKE BAKER, A.M., *Assistant Professor of English.*
 DOUGLAS BEMENT, A.M., LL.B., *Assistant Professor of English.*
 IRENE CORNWELL, Ph.D., *Assistant Professor of Romance Languages.*
 FLORENCE MARIE MEARS, Ph.D., *Assistant Professor of Mathematics.*
 EDGAR WILLIAM WOOLARD, Ph.D., *Assistant Professor of Mathematics.*
 PAUL WILLIAM BOWMAN, Ph.D., *Assistant Professor of Botany.*
 BENJAMIN DOUGLASS VAN EVERA, M.S., *Assistant Professor of Chemistry.*
 HENRY GODDARD ROBERTS, A.B., *Assistant Professor of Public Speaking.*
 RAYMOND JOHN SEEGER, Ph.D., *Assistant Professor of Physics.*
 ALVA CURTIS WILCUS, Ph.D., *Visiting Assistant Professor of History.*
 CECIL KNIGHT JONES, B.Litt., *Lecturer in Spanish American Literature.*
 CHARLES ELMER RESSER, Ph.D., *Lecturer in Geography.*
 CAROLINE BENEDICT CARROLL, A.B., *Lecturer in Archaeology.*
 WILLIAM MIDDLETON, A.M., *Lecturer in Psychology.*
 WILLIAM WEBSTER DIEHL, M.S., *Lecturer on Mycology.*
 ALICE MORTON BALL, *Lecturer on Editing.*
 JAMES EVERARD BENEDICT, Jr., B.F., *Lecturer on Bryology.*
 ELWOOD STREET, A.M., *Lecturer in Sociology.*
 EDGAR REYNOLDS SMITH, Ph.D., *Lecturer in Chemistry.*
 JOSEPH MILNOR DOREY, A.M., *Lecturer in Play Production.*
 J. BLAINE GWIN, A.B., *Lecturer in Sociology.*
 *PAUL EUGENE GROPP, A.M., *Instructor in German.*
 MARY QUICK BOWMAN, A.M., *Instructor in Zoology.*
 ERNEST SEWALL SHEPARD, A.M., *Instructor in English.*
 THELMA HUNT, Ph.D., *Instructor in Psychology.*
 *PAUL VINCENT MOOK, M.S., *Instructor in Botany.*

* On leave 1930-1931.

MARTHA GIBBON, A.M., *Instructor in English.*
THEODORE ROSKAM JEHNE, A.M., *Instructor in German.*
CAREY BIRDSONG JACKSON, M.S., *Instructor in Chemistry.*
DEWITT CLINTON KNOWLES, M.S., *Instructor in Chemistry.*
JOHN RUNYON LARGE, M.S., *Instructor in Botany.*
WILLIAM C. JOHNSTONE, JR., PH.D., *Instructor in Political Science.*
JANET PIERSON JONES, B.S., *Instructor in Physical Education.*
RAQUEL AHUMADA, A.M., *Instructor in Spanish.*
ARTHUR HOWARD HUGHES, A.M., *Instructor in German.*
WESLEY T. CRAVEN, PH.D., *Visiting Instructor in History.*
PAUL SWAIN HAVENS, B.LITT., (Oxon) *Visiting Instructor in English.*
CHARLES FREDERICK KRAMER, JR., A.M., *Associate in French.*
ANDRÉ-MARIE-GEORGES BENÉTEAU, A.M., *Associate in French.*
DANIEL CHAMPLIN CHACE, A.B., *Associate in Journalism.*
WILLIAM THOMAS MCCLOSKEY, A.B., *Associate in Zoology.*
EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*
FAY PIERCE BELJ, A.M., *Associate in Zoology.*
CHARLES HOLCOMB POPENOE, B.S., *Associate in Zoology.*
HELEN MARIE DYER, M.S., *Associate in Chemistry.*
JAMES LEWIS THOMAS, A.M., *Associate in Physics.*
HENRY JOSEPH WING, PH.D., *Associate in Physics.*

INTRODUCTORY STATEMENT

Columbian College, the senior college of letters and sciences of The George Washington University, was founded in 1821, during the presidency of James Monroe. A charter was obtained from Congress establishing "The Columbian College in the District of Columbia," for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature," with full power to confer all degrees "usually granted and conferred in colleges."

Since the founding of Columbian College, many other schools and divisions have been established to form the present George Washington University; but the original institution has retained its name and purpose.

ADMISSION REQUIREMENTS

Candidates for admission to Columbian College must present a Certificate of Junior Standing or its equivalent from an accredited institution. For Certificate of Junior Standing, see page 79.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 43.

REGISTRATION

See page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOAN FUNDS

Fellowships. Fellowships are available in the Departments of Biology, Chemistry, Economics, English, History, Physics, Psychology.

Details regarding qualifications and application for these fellowships will be found on page 55.

Scholarships. The following scholarships may be assigned in Columbian College:

Byron Andrews Scholarships; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; Robert Farnham Scholarship; Elma Lewis Harvey Scholarship; John Hitz Metzerott Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Mary Lowell Stone Scholarship; William Walker Scholarship; John Withington Scholarship; Ellen Woodhull Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning application for loan funds and their administration, see page 63.

DIVISIONAL ORGANIZATION

The instructional organization of the Senior College is contained in the Divisions. The divisional and departmental officers administer the educational requirements for students majoring within the Divisions. The Divisions are as follows:

THE DIVISION OF LANGUAGES AND LITERATURES composed of:

- The Department of Classical Languages and Literatures
- The Department of English
- The Department of Germanic Languages and Literatures
- The Department of Romance Languages and Literatures

THE DIVISION OF MATHEMATICS AND THE PHYSICAL SCIENCES
composed of:

The Department of Chemistry
The Department of Mathematics
The Department of Physics

THE DIVISION OF THE NATURAL SCIENCES composed of:

The Department of Botany
The Department of Geology and Geography
The Department of Psychology
The Department of Zoology

THE DIVISION OF THE SOCIAL SCIENCES composed of:

The Department of Anthropology
The Department of Economics
The Department of History
The Department of Philosophy
The Department of Political Science
The Department of Public Speaking
The Department of Sociology

DEGREES AND COURSES

The degrees offered are Bachelor of Arts, Bachelor of Science, and Master of Arts. In conjunction with the professional courses the following combined courses are offered: a seven-year course leading to the degrees of Bachelor of Arts and Doctor of Medicine; and a six-year course leading to the degrees of Bachelor of Arts and Bachelor of Laws.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES

REQUIREMENTS

To be recommended for a degree, the student must satisfy the admission, residence, scholarship and curriculum requirements. The curriculum requirements include at least 60 semester hours of credit. A semester hour of credit is one recitation or lecture a week or one laboratory period a week for one semester.

Residence. One year in residence with at least 30 semester hours, combined courses included, must be completed in Columbian College. Residence may be satisfied, in whole or in part, in the Summer Sessions. The work of the senior year is to be done in residence. Exceptions will require the approval of the Dean. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed and the residence requirements satisfied. When the college

work is limited to the last two class periods and the evening laboratory periods, the length of the course is generally six years.

Scholarship. At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A—3 points, B—2 points, C—1 point, D—0 points for each semester hour of credit.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

HONORS

General and Special Honors may be awarded at graduation as follows: Honors shall be awarded and announced only at the June Commencement but students graduating at the October or February convocations of the same academic year, who have fulfilled the requirements, shall be eligible for Honors equally with students graduating in June.

GENERAL HONORS

There are three grades of General Honors: (1) "With Highest Distinction," (2) "With High Distinction," (3) "With Distinction."

(1) "With Highest Distinction," shall be granted only to students whose records are extraordinary, and only by special vote of the faculty.

"With High Distinction" and "With Distinction" shall be based upon averages of grades of all work taken, both here and elsewhere, except for the grades of the semester immediately preceding the granting of the degree.

The average shall be computed by dividing the total number of quality points obtained by the total number of credit hours attempted. (This is equivalent to considering A—95 per cent, B—85 per cent, C—75 per cent, and D—65 per cent.)

(2) "With High Distinction" shall be given at the discretion of the faculty to those attaining an average of 2.6 points or higher.

(3) "With Distinction" shall be given at the discretion of the faculty to those attaining an average of 2.3 points or higher.

To be eligible for General Honors, a student must have had at least three-fourths of his work towards the degree at this University, and may have had no grade below "D" after the freshman year.

SPECIAL HONORS

In addition to "General Honors," "Special Honors" may be awarded in individual fields, e.g., in Chemistry or Economics or English. A student may be awarded both General and Special Honors.

Special Honors shall be awarded only upon recommendation of the major department after the candidate has successfully completed all the special work assigned in connection with honors and has successfully passed a general examination bearing on his major subject in the junior and senior years.

Any student whose work in the freshman and sophomore years, whether done in The George Washington University or elsewhere, is satisfactory in the opinion of his major department, and who spends his junior and senior years at The George Washington University may become a candidate for Special Honors.

In addition to the courses taken as a major for graduation, the candidate shall do such additional reading or other work in the junior and senior years as may be directed by the major department, and such work shall be tested and evaluated as the major department sees fit.

No student shall be awarded Special Honors unless he ranks in the upper one-third of his class at graduation.

INDEPENDENT STUDY PLAN

Under the Independent Study Plan a student of demonstrated capacity with special interest in a course, may, upon approval of his project by the instructor in charge and by the Committee on Independent Study, be permitted to undertake independent study under the personal direction of the instructor. Under this plan the student, though relieved of formal class requirements, will cover the essentials of the course and in addition, will develop the particular field of his project. Any project may be terminated at the end of any semester at the option of either student or instructor.

CURRICULA

There are five curriculum groups, each leading to the Bachelor of Arts or Bachelor of Science degree. Every candidate for a degree must satisfy the requirements of one of the groups listed below.

The freshman and sophomore years of each curriculum group will be found under the Junior College. Courses listed with numbers 1-99 may be taken by students in Columbian College only with the permission of the Dean.

A. Bachelor of Arts.

I. General Group.

The work is elective, subject to the following restrictions:

(a) *The Major.* The major should be chosen at the beginning of the junior year. Before graduation a major of not less than 24 semester hours must be completed in an approved subject.

Note: For Curricula in Business Administration, Finance, Domestic Commerce, and Foreign Commerce, see School of Government.

The candidate's choice of studies comprising the major shall be subject to the approval of the major department. Courses of an elementary or introductory character shall not be counted as satisfying the requirement for a major unless specifically approved by the major department.

Students are required to select and file with the Registrar a choice of major subjects at the beginning of the junior year.

The requirements for a major in the several departments of instruction are stated immediately preceding the announcement of courses of instruction offered.

A student may change his major only with the permission of his Dean.

(b) *Advanced Courses.* Not less than 30 semester hours of the required 60 shall consist of second or third section courses, numbered 101 and above.

II. Combined A.B. and LL.B. Course.

This course contemplates three years of college study and three years in The George Washington University Law School. On the completion of 94 semester hours of work in college, at least 30 semester hours of which must be taken in Columbian College, including 6 semester hours of History, 6 semester hours of Economics, 6 semester hours of Philosophy, and the first year of the regular course in the Law School and the recommendation of its Dean, the degree of Bachelor of Arts will be conferred. Credit is not given for a law course taken at another institution.

In the case of students entering the Law School of the George Washington University with two years or more of pre-professional work of satisfactory quality, who thereupon complete the requirements for the degree of Bachelor of Laws in the George Washington University Law School, and present the recommendation of its Dean, such students may obtain the degree of Bachelor of Arts upon the completion of 30 semester hours of satisfactory work in Columbian College.

III. Combined A.B. and M.D. Course.

This course contemplates three years of college study and four years in the George Washington University Medical School. On the completion of 94 semester hours of work in college, at least 30 semester hours of which must be taken in Columbian College, including all of the requirements in one of the curriculum groups, and the first year of the regular course in the Medical School and the recommendation of its Dean, the degree of Bachelor of Arts will be conferred. Credit is not given for a medical course taken at another institution.

In the case of students entering the Medical School of the George Washington University with two years, or more, of pre-professional work of satisfactory quality, who thereupon complete the requirements for the degree of Doctor of Medicine in the George Washington University Medical School, and present the recommendation of its Dean, such students may

obtain the degree of Bachelor of Arts upon the completion of 30 semester hours of satisfactory work in Columbian College.

B. Bachelor of Science.

The work of the junior and senior years for the Bachelor of Science degree must be arranged by consultation with the major department and must be approved by that department.

The requirements for the Bachelor of Science degree fall under two groups:

First group—*Botany, Geology, and Zoology.*

In this group, Geology 11-12 or Geology 21-22, 6 semester hours must be chosen if not elected earlier. A major of at least 24 semester hours in one of the three previously mentioned subjects should be chosen with the guidance of the Executive Officer of the Department concerned. The remaining semester hours required for the degree are electives.

Second group—*Chemistry, Mathematics, Physics.*

In this group, if Botany has been elected earlier, Geology 11-12 or Geology 21-22 or Zoology 3-4 must be chosen; if Geology has been elected earlier, either Botany 1-2 or Zoology 3-4 must be chosen. A major of at least 24 semester hours in one of the three previously mentioned subjects should be chosen with the guidance of the Executive Officer of the Department concerned. The remaining semester hours required for the degree are electives.

Change of Curriculum. After having selected a curriculum group a student is not permitted to change to another group (except with the permission of his Dean) and on condition that he fulfill the requirements of the group to which he changes.

MASTER OF ARTS DEGREE

ADMISSION

To be admitted to Columbian College with the intention of becoming a candidate for the Master's degree students must usually present a Bachelor's degree from an accredited institution. They should present a transcript of the studies pursued towards the Bachelor's degree. Students from unaccredited institutions may be admitted, in the discretion of the Dean. Such students shall be required to take such extra work above the minimum requirements for the degree sought as may be prescribed.

The course of study pursued for the Bachelor's degree must have been such as to qualify candidates for pursuing the subjects chosen for the higher degree sought. A student taking full work for any other degree, here or elsewhere, shall not be admitted to candidacy for a higher degree here.

Candidates for admission to courses for the Master's degree must make application to the Dean of Columbian College and must present certificates of the degrees they hold from institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit. A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by his major department and the Dean of Columbian College.

Beginning September, 1931, a student before being admitted to candidacy for the Master's degree shall show a reading knowledge of at least one foreign language, to be selected by his major department.

Students in Attendance. Properly qualified students may be admitted as Students in Attendance without becoming candidates for degrees.

REQUIREMENTS

To attain the degree of Master of Arts candidates must complete successfully 24 semester hours of work, in addition to the thesis, forming a consistent plan of study.

- a. Courses may be elected from one, two, or three departments.
- b. At least 12 semester hours, plus the thesis, must be in the major subject.
- c. At least 12 semester hours must be taken in Columbian College, irrespective of the amount transferred from college or other institutions.
- d. Part of the work for the Master's degree may be taken in The School of Medicine or The Law School, but work so taken cannot be counted both towards the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may take not more than 12 semester hours in The School of Medicine or The Law School, but the major subject must be taken in Columbian College.
- e. The minimum amount in any one subject (not course) that will be counted toward the Master's degree is six semester hours.
- f. The course of study for the Master's degree must include at least two Third Section courses (numbered above 200), which must count at least 12 semester hours unless the major department gives written permission to count less than 12.
- g. In addition to the course examinations, candidates must pass a general final examination in the major subject. This examination may be either oral or written, or both oral and written.
- h. A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his course from the beginning that work done for the lower degree may count for the higher.

ADVANCED STANDING

Advanced work in other institutions of learning may be credited toward the Master's degree in this University, to the extent of not more than 12

semester hours. Work completed here, or elsewhere, more than three years prior to the registration for a higher degree here, will be counted towards such a degree only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

Second Section courses (101-200), or their equivalent in other institutions of learning, if taken in the senior year of college may be counted to the extent of not over 12 semester hours toward a higher degree, provided that the student shall notify the Dean of Columbian College at the beginning of such courses of his desire to count them towards a higher degree; and provided that the student shall have done such extra work on the courses as may be prescribed by the department concerned. No work counted towards the Bachelor's degree shall be counted towards a higher degree.

RESIDENCE

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each or four summer terms of six weeks each. Students who plan to complete their work for the Master's degree in the minimum time, should consult the Dean well in advance of registering. No credit shall be granted for work done in absentia, i.e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

THESIS

A candidate for a Master's degree must present a thesis in his major subject. The thesis, which counts six semester hours towards the degree and is charged for at the same rate as courses, must be registered for by the candidate by the beginning of his final year. The choice of the thesis subject must be approved in writing by the professor in charge of the major, and recorded at the Registrar's Office no later than the close of the registration period immediately preceding the term in which the degree is to be conferred. The student is expected to consult the professor in charge frequently in regard to the progress of work on the thesis. The thesis in its final form must have the approval of the professor in order to count towards the degree. Attention is called to "Regulations Regarding Thesis," on page 110.

HOURS OF INSTRUCTION

Time. There are morning and late afternoon sections in most courses, so that students may take work during the forenoon and early afternoon or in the periods between 5:10 and 7:00 o'clock. By taking the late afternoon and summer classes, and by extending the time of study beyond the customary four years, a student able to give only part time to college work may complete the full course and obtain a degree.

Courses Offered. The courses of instruction listed in alphabetical order and the hours when courses are offered will be found beginning on page 214.

REGULATIONS

Students in Columbian College are subject to the University regulations as stated beginning on page 65,

AMOUNT OF WORK

1. Fifteen units constitute normal work. Students in good standing may be permitted by the Dean to take up to *eighteen* units.
2. Students on the Honor Roll (see below) may with the permission of the Dean take *eighteen* or *nineteen* units. No student may take more than *nineteen* units except by special permission of the Scholarship Committee of the College.
3. For employed students, working more than twenty-four hours per week, *nine* units, not including Physical Education, is normal work. Employed students in good standing may be permitted by the Dean to take *ten* units. Employed students on the Honor Roll (see below) may be permitted by the Dean to take *twelve* or *thirteen* units.
4. A student shall not register concurrently in Columbian College and in any other school of this or another institution except by the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Advanced Standing.

ATTENDANCE

1. The student is held responsible to the instructor in charge for all the work of a course in which he is registered and all absences must be excused before provision will be made for him to make up the work missed.
2. With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester hours of credit for the semester, will be automatically excused. (Where a course has distinct divisions, such as lectures, laboratories, recitations, etc., these excuses apply pro-rata to such separate divisions.) In applying this rule, absences adjacent to holiday periods are to be counted double.
3. Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses, while students on the honor roll are left upon their own responsibility.
4. Excuses for any absence in excess of those automatically excused, as well as for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of Columbian College.

MAKE-UP EXAMINATIONS

1. Unless sanctioned by special approval of the Dean of the College, examinations given as a means of making up grades of (E) or (Inc.) should be given only after the lapse of a term of study, and only during the examination period at the end of a regular, fall, spring, or summer term, or during the week preceding registration in September. The department concerned will specify the exact date within these periods.

2. Application for such an examination must be made to the department concerned, in writing, at least a week in advance of the date set.

3. A student failing to pass such an examination may not obtain credit for the course except by repeating it in class.

Examination for the purpose of waiving curriculum requirements:

A student desiring to omit a required course may take such examination as the department prescribes and on passing satisfactorily, he may be relieved of the curriculum requirement in that subject, and qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should notify the Dean.

A fee of \$10.00 for each examination is to be paid at the Comptroller's Office and the receipt exhibited at the door of Room 27, Building W, on September 25 or 26, at 2 P. M., for the first semester; and on February 5 or 6, at 2 P. M., for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination arrangements will be made accordingly.

GRADES

The following grades are given on work toward the Bachelor's degree: A (90-100) excellent; B (80-89) good; C (70-79) average; D (60-69) passing; E (below 60) conditioned (not passing); F, failure; Inc., incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given, unless the work is repeated in class. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above "E."

The grades recorded for the work toward the Master's degree will be Satisfactory, Unsatisfactory, or Incomplete. Satisfactory shall imply a minimum of 80%.

SCHOLARSHIP

Honor Roll. The names of those who make an average of "A" or "B" in any semester will be placed on an Honor Roll and published. A place

on the Honor Roll does not necessarily mean that a student will receive honors upon graduation.

POOR SCHOLARSHIP.

a. *Probation.* A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

b. *Dismissal.* A student who receives a grade of E or F in two courses in two successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. For the purpose of these rules a summer session will be considered a semester.

STUDENTS WITH LIMITED SCHEDULES.

In the case of students with limited schedules these scholarship rules will be applied when the student has undertaken 15 units or multiples thereof, unless he receives a grade of E or F in two courses in two successive semesters.

Courses duly dropped or graded "Incomplete" and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

SCHOLARSHIP REQUIREMENTS FOR GRADUATION.

See Requirements for Degrees, page 94.

ELIGIBILITY FOR STUDENT ACTIVITIES.

a. A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. A student may be declared ineligible to participate in any student activity by the Dean of the College, when in the opinion of the Dean the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

CHANGES IN COURSE

1. A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor, except: (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

2. Changes in schedule from one section to another of the same course may be made at any time with the consent of the executive officer of the department. See regulations regarding changes and withdrawals on pages 54 and 65.

CLASSIFICATION OF STUDENTS

Junior. A student who has satisfactorily completed 64 semester hours of work, including all freshman and sophomore required courses, shall be classed as a junior, and if 30 semester hours of this specification have been completed in The George Washington University, he shall be entitled to a certificate that he has completed his sophomore work.

Senior. A student who has satisfactorily completed the sophomore work together with 30 semester hours in addition, has registered his major with the Registrar, and taken at least one course in his major, shall be classed as a senior.

Master. A student who has satisfactorily completed the work for the baccalaureate degree, and has registered his advanced major with the Registrar, shall be classed as a Master student in course.

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

THE FACULTY*

- CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
CHARLES EDWARD MUNROE, PH.D., LL.D., *Dean Emeritus of The Graduate School of Letters and Sciences.*
GEORGE NEELY HENNING, A.M., LITT.D., *Dean of The Graduate School of Letters and Sciences.*
-

THE GRADUATE COUNCIL

- DEAN GEORGE NEELY HENNING, *Chairman ex-officio.*
PROFESSORS _____, _____, WARREN REED WEST, terms
expiring in 1931.
PROFESSORS RAY SMITH BASSLER, ROBERT WHITNEY BOLWELL, _____,
terms expiring in 1932.
PROFESSORS LELAND A. BROWN, MERLE IRVING PROTZMAN, DUDLEY WILSON
WILLARD, terms expiring in 1933.
-

EMERITUS PROFESSORS

- JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus of Mathematics.*
CHARLES EDWARD MUNROE, PH.D., LL.D., *Professor Emeritus of Chemistry.*
CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus of History.*
-

ACTIVE LIST

- WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*
PAUL BARTSCH, PH.D., *Professor of Zoology.*
GEORGE NEELY HENNING, A.M., LITT.D., *Professor of Romance Languages.*
WILLIAM JACKSON HUMPHREYS, C.E., PH.D., *Professor of Meteorological Physics.*
EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*
RAY SMITH BASSLER, PH.D., *Professor of Geology.*
OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology.*

* Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority.

- DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*
 TRUMAN MICHELSON, PH.D., *Professor of Ethnology.*
 †CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*
 †THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics.*
 HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*
 ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*
 JOHN DONALDSON, PH.D., *Professor of Political Economy.*
 JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry.*
 GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*
 SAMUEL FLAGG BEMIS, PH.D., *Professor of History.*
 COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*
 EDWARD HENRY SEHRT, PH.D., *Professor of German.*
 ROBERT WHITNEY BOLWELL, PH.D., *Professor of American Literature.*
 FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*
 JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*
 DUDLEY WILSON WILLARD, PH.D., *Professor of Sociology.*
 ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*
 MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
 WARREN REED WEST, PH.D., *Associate Professor of Political Science.*
 LELAND ARTHUR BROWN, PH.D., *Associate Professor of Zoology.*
 ALVA CURTIS WILCUS, PH.D., *Associate Professor of Hispanic-American History.*

ADMISSION REQUIREMENTS

In order to be admitted to The Graduate School of Letters and Sciences, students must make application to the Dean of that School, and must present certificates of the degrees they hold from other institutions. Students requesting advanced standing must present detailed certificates of the work for which they ask credit.

CANDIDACY FOR THE DEGREE

For admission to candidacy for the degree of Doctor of Philosophy, see page 107.

STUDENTS IN ATTENDANCE

Properly qualified students may be admitted, with the permission of the Dean, as students in attendance, without becoming candidates for a degree.

REGISTRATION

Before registering, a candidate for a degree must secure the written approval of his choice of subjects from his major department. A blank for this purpose may be procured at the office of the Dean.

For the statement of registration procedure, see page 49.

†On sabbatical leave 1930-1931.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

DEGREES

The Graduate School of Letters and Sciences confers only the degree of Doctor of Philosophy (Ph.D.).

DOCTOR OF PHILOSOPHY

REQUIREMENTS

The degree of Doctor of Philosophy is conferred only upon students who have acquired a broad and thorough knowledge of their field of learning, as evidenced by courses followed or other formal instruction received, and who have shown marked ability in original research in some particular branch of that field, as proved by the results set forth in their theses. Formal requirements of courses and residence, although essential, are wholly subordinate to the above principle.

RESIDENCE

Before receiving the degree of Doctor of Philosophy, the candidate shall have spent at least three years, since receiving his baccalaureate degree, in graduate study. A part-time student shall be required to devote a proportionately longer time, the amount of additional time to be determined by the student's committee. In part satisfaction of residence requirements, the candidate, in addition to his research work, must follow regular courses, to an amount prescribed by his committee. The candidate may be credited with work done at other accredited institutions to the amount approved by his committee.

ADMISSION TO CANDIDACY

To be admitted to formal candidacy for the degree, the student must have spent at least two years of full-time study, or its equivalent, since receiving his baccalaureate degree, in graduate study in recognized institutions of learning. The second or last year must have been spent at The George Washington University. In addition to this he must have fulfilled the following requirements not later than November 1, if he expects to receive his degree the following June; and not later than May 1, if he expects to receive his degree the following February:

(a) He must have selected his thesis-subject and have received the written approval of it from the head of the major department.

(b) He must have satisfied the Departments of French and German that he can read understandingly in the original French or German, works pertaining to his special field, and he must have satisfied such other language requirements as his major department shall have prescribed.

(c) He must have passed a general examination testing him for a comprehensive and thorough knowledge of his field of learning, to be conducted by a committee appointed by the Dean of the Graduate School from the members of at least two departments of the University. This examination shall consist of two parts, one oral and one written. The questions and answers to the written examination shall be sent to the Dean and shall form part of the student's file.

SCHOLARSHIP

In courses in which grades are assigned, whether followed here or elsewhere, the student must attain the grade "Satisfactory" or its equivalent.

CHOICE OF STUDIES

Candidates for the degree of Doctor of Philosophy must in general choose their studies from two departments of one of the divisions enumerated below. With the permission of the Graduate Council, all courses may be in one department, or some in one other division.

THE DIVISION OF LANGUAGES AND LITERATURES composed of:

The Department of Classical Languages and Literatures
The Department of English
The Department of Germanic Languages and Literatures
The Department of Romance Languages and Literatures

THE DIVISION OF MATHEMATICS AND THE PHYSICAL SCIENCES composed of:

The Department of Chemistry
The Department of Mathematics
The Department of Physics

THE DIVISION OF THE NATURAL SCIENCES composed of:

The Department of Botany
The Department of Geology and Geography
The Department of Psychology
The Department of Zoology

THE DIVISION OF THE SOCIAL SCIENCES composed of:

The Department of Anthropology
The Department of Economics
The Department of History
The Department of Philosophy
The Department of Political Science
The Department of Public Speaking
The Department of Sociology

GUIDANCE OF STUDENTS

In the pursuit of his studies the student shall be under the guidance of a committee consisting of the professors of his major department and representatives of the other departments in which he will study. This committee shall have power to determine what work he shall complete in regular courses or otherwise.

EXAMINATIONS

For the general examination, see under Admission to Candidacy, page 107.

After having been admitted to candidacy and before being recommended for the degree, the student must pass, at least three weeks before the awarding of the degree, a special oral examination, conducted by a committee of his division, on his thesis and its related fields. A period of at least six months must elapse between the general and the special examinations.

DOCTORAL THESES

Not later than the date specified in the University calendar, the candidate for the degree of Doctor of Philosophy shall submit a typewritten copy of his thesis and also a typewritten summary of the thesis consisting of not more than 2,500 words. The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin. The successful candidate for the Ph.D. is required to pay, before receiving his degree, a fee of \$40.00 to cover the expense of printing the summary of his thesis.

Students who have received the degree of Doctor of Philosophy are urged to print their theses in full if possible.

Attention is called to "Regulations Regarding Theses," page 110.

GRADUATION

The degree of Doctor of Philosophy will be conferred only in February and in June.

COURSES OF STUDY

Graduate Credit.

a. *Third Section* courses (above 200), are primarily for graduate students and may count toward higher degrees.

b. *Second Section* courses (101-200), may count toward a higher degree only when the candidate secures at the time of registration the written approval of the department concerned and completes the extra work required for graduate credit in such courses.

Courses offered. The announcement of courses offered will be found beginning on page 214.

REGULATIONS

Students registered in The Graduate School of Letters and Sciences are governed by the University regulations as stated beginning on page 65.

AMOUNT OF WORK

Students with limited schedules shall not be allowed to take over 18 semester hours of course work in a year, or 9 semester hours of course work in a semester. No student shall take courses aggregating more than 9 semester hours of course work in one summer term, nor more than 6 semester hours of course work if a student with limited schedule.

GRADES

The following grades are given: Satisfactory; Unsatisfactory; Incomplete.

The grade "Incomplete" is temporary and if the required work in the course in question is completed within a year of the receipt of this grade, a final grade is given. If the work is not completed within the time specified no credit is given, unless a longer time is allowed by the instructor and approved by the Dean. Except in such instances no grades are changed.

As soon as possible after the close of a term a report is mailed to each student through the office of the Registrar.

CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change or withdraw from any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean of The Graduate School of Letters and Sciences. Notification to a professor of withdrawal from his course does not effect its discontinuance. See also pages 54 and 65.

REGULATIONS REGARDING THESES

All theses for the degree sought must, in their final form, be presented by the student to the Dean by the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, and bound. Paper and binder may be obtained from the University Store Room in Stockton Hall. The title-page must read: (title) by (name of candidate), a thesis submitted to the Faculty of The Graduate School of Letters and Sciences of The George Washington University in part satisfaction of the requirements for the degree of (name of degree). (Date.) The typewritten thesis must be as specified.

The Dean will present theses to the chairman of the committees on the candidates. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies.

In addition see specific regulations regarding Doctor's theses on page 109.

THE SCHOOL OF MEDICINE

THE FACULTY*

- CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
WILLIAM CLINE BORDEN, M.D., *Dean of The School of Medicine.*
OSCAR BENWOOD HUNTER, A.M., M.D., *Assistant Dean in The School of Medicine; in charge of the Hospital Division.*
WALTER ANDREW BLOEDORN, M.D., *Assistant Dean in The School of Medicine; in charge of the Clinical Division.*
JOSEPH HYRAM ROE, PH.D., *Assistant Dean in The School of Medicine; in charge of the Pre-Clinical Division.*
-

COMMITTEES

EXECUTIVE COMMITTEE

- WILLIAM CLINE BORDEN, *Chairman*
WALTER ANDREW BLOEDORN
WILLIAM JOHNSTON MALLORY
OSCAR BENWOOD HUNTER
JOSEPH HYRAM ROE

ADVISORY COMMITTEE

- WILLIAM CLINE BORDEN, *Chairman*
WALTER ANDREW BLOEDORN
GEORGE BAIN JENKINS
LESLIE HOWSON FRENCH
HURON WILLIS LAWSON
OSCAR BENWOOD HUNTER
JOSEPH HYRAM ROE
GEORGE BYRON ROTH
CHARLES STANLEY WHITE
WILLIAM JOHNSTON MALLORY

CLINICAL COMMITTEE

- WALTER ANDREW BLOEDORN, *Chairman*
HURON WILLIS LAWSON
WILLIAM JOHNSTON MALLORY
CHARLES STANLEY WHITE
JOHN ALTON REED

PRE-CLINICAL COMMITTEE

- JOSEPH HYRAM ROE, *Chairman*
GEORGE BAIN JENKINS
GEORGE BYRON ROTH
OSCAR BENWOOD HUNTER
LESLIE HOWSON FRENCH

* Arranged, with the exception of the President, the Dean, and the Assistant Deans, on the basis of collegiate seniority.

EMERITUS PROFESSORS

- DANIEL KERFOOT SHUTE, A.M., M.D., *Professor Emeritus of Ophthalmology.*
 WILLIAM KENNEDY BUTLER, A.M., M.D., *Professor Emeritus of Ophthalmology.*
 STERLING RUFFIN, M.D., *Professor Emeritus of Medicine.*
 BUCKNER MCGILL RANDOLPH, M.D., *Professor Emeritus of Medicine.*

ACTIVE LIST

- WILLIAM ALANSON WHITE, A.M., M.D., *Professor of Psychiatry.*
 FRANCIS RANDALL HAGNER, M.D., *Professor of Urology.*
 WILLIAM CLINE BORDEN, M.D., *Professor of Medical Ethics and History.*
 HURON WILLIS LAWSON, M.S., M.D., *Professor of Obstetrics and Gynecology.*
 OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology.*
 CUSTIS LEE HALL, M.D., *Professor of Orthopedic Surgery.*
 WILLIAM THORNWALL DAVIS, M.D., *Professor of Ophthalmology.*
 GEORGE BAIN JENKINS, M.D., *Professor of Anatomy.*
 JOSEPH HYRAM ROE, Ph.D., *Professor of Biochemistry.*
 HARRY HAMPTON DONNALLY, A.M., M.D., *Professor of Pediatrics.*
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INTRODUCTORY STATEMENT

HISTORY

The first course of lectures in The School of Medicine of The George Washington University began in March, 1825, which makes it the eleventh Medical School established in the United States. The School was first known as the National Medical College and subsequently as the Department of Medicine of the Columbian University. In 1904 the Columbian University became The George Washington University.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of The School of Medicine.

EDUCATIONAL STANDING

The School of Medicine of the University is a member of the Association of American Medical Colleges, and is one of the medical colleges which has been designated continuously as "Class A" by the American Medical Association. The degrees of The School of Medicine are recognized by all state examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

COURSES OFFERED

1. Four-year course leading to the degree of Doctor of Medicine (M.D.).
2. Combined seven-year course leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

COMBINED SEVEN-YEAR COURSE

Registration. Candidates register in The Junior College for the freshman and sophomore years of the Pre-Medical Course, and in Columbian College for the junior year.

Admission. Applicants must meet pre-medical college requirements outlined on page 125.

Course of Study. Candidates must complete at least 94 semester hours of prescribed college work, not including Physical Education (at least 30 semester hours and one year of residence must be completed in Columbian College) and the first year of the medical course. On satisfactory completion of the work outlined above the student will be recommended for the degree of Bachelor of Arts. Upon completion of the fourth year in the medical course the student becomes eligible for the degree of Doctor of Medicine. For further information regarding courses in Columbian College, see page 96.

THE DEGREE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate hospital work in those states which require hospital internship, will admit a graduate to all state examinations.

LOCATION AND ITS ADVANTAGES

The city of Washington with more than a half million inhabitants provides abundant clinical material for its six thousand hospital beds. Much of this material is used for clinical instruction by faculty members. Adjoining The School of Medicine, in the heart of the city, the University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Clinical Chemistry and Microscopy.

The Library of the Surgeon General's office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library as well as The Library of Congress,

The Public Library, and the many excellent libraries of the various Government Departments are open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met with in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, The National Museum, The Smithsonian Institution, The Botanic Gardens and The Department of Agriculture, all afford opportunities for study in medicine and its collateral sciences.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and as it is the seat of the National Government, its broad interests, make it an ideal place for a medical student to pass four years of study.

EQUIPMENT

Medical School Building. The building housing The School of Medicine is a modern, five-story structure with lecture and class rooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology and pharmacology, and bacteriology and pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library, with a librarian in charge, is open for study and reading from 9 a. m. to 4 p. m. It contains a selected reference collection of 2,500 volumes, and provision is made to add to it the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and the University Dispensary: The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of The School of Medicine, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are

under the supervision of the Assistant Dean assigned to the Clinical Division. This insures the highest possible utilization of available clinical material for teaching purposes and proper supervision of clinicians and students, brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment, permits proper interpretation of the conditions occurring during the progress of cases, promotes the keeping of adequate records.

Clinical and clinico-pathological conferences are held in which the history of cases, the physical findings, laboratory records and the post-mortem pathology when available, are presented and correlated. The Assistant Dean of the Clinical Division assigns the students to the different clinics, supervises the records, the attendance and instruction of students. Third-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

Gallinger Municipal Hospital (Municipal Hospital of the District of Columbia): Clinical instruction is open in all branches of medicine.

A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District, whereby one-half the patients—upwards of 1,000 in number—are assigned for treatment and clinical teaching to members of the faculty of this School, nominated by this University.

Casualty Hospital: Clinical Pathology.

Children's Hospital: Clinical instruction in pediatrics, general and orthopedic surgery.

Emergency Hospital and Central Dispensary: Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

Garfield Memorial Hospital: Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

Providence Hospital: Clinical instruction in medicine and surgery.

St. Elizabeth's Hospital: Clinical instruction in mental and nervous diseases, medicine, surgery, post-mortem work and gross pathology. This hospital, with 4,000 beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital: Clinical instruction in ophthalmology, otology, laryngology and rhinology.

Tuberculosis Hospital: Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

MEDICAL UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this Department is both military and professional and a great portion of it will be found applicable to civil practice, so that a graduate who never elects active duty, will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200.00, they are obligated to complete the course and to attend one summer camp of instruction for six weeks for which the students will receive travel allowances, pay at the rate of \$21.00 per month and will be provided with all camp equipment, uniforms and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION REQUIREMENTS

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states, and candidates are advised that if they meet the pre-medical and other requirements of this school they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are 15 units of work from an accredited secondary school, and two years of college work, totaling at least 60 semester hours, from an accredited college of arts and sciences.

SECONDARY SCHOOL REQUIREMENTS

Of the 15 secondary school units* required, 3 must be in English, 2† in foreign language (ancient or modern), 1 in algebra, 1 in geometry, 1 in history, 1 in science (botany, chemistry, physics or zoology).

a. Eleven of the units offered must be in English, foreign language, mathematics, sciences and history.

b. No candidate will be accepted with any condition in secondary school work.

PRE-MEDICAL COLLEGE REQUIREMENTS

A. *Chemistry*: 12 semester hours‡ as follows:

(a) 8 semester hours of general inorganic chemistry, of which at least 4 semester hours are laboratory work. Qualitative analysis may be counted as general inorganic chemistry.

(b) 4 semester hours of organic chemistry, of which 2 semester hours are laboratory work.

B. *Physics*: 8 semester hours, of which at least 2 semester hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.

C. *Biology*: 8 semester hours, of which at least 4 semester hours are laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by a course of 4 semester hours each in zoology and botany, but not by botany alone.

D. *English Composition and Literature*: 6 semester hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.

E. *Modern Foreign Language*: A reading knowledge, preferably of French or German.

F. *Electives*: It is recommended that the remaining semester hours required include:

* A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week each period to be not less than 45 minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

‡ A semester hour is one hour of lecture or recitation, or at least 2 hours of laboratory work per week for one half-year or 16 weeks. If laboratory periods are longer than 2 hours in length their value in semester hours will be no more than that assigned by the college where the work is taken.

- (a) comparative vertebrate anatomy.
- (b) qualitative and quantitative chemistry.
- (c) social science and psychology.

Conditions: No student will be accepted with any condition in college work.

ADVANCED STANDING

* Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the pre-medical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

APPLICATION FOR ADMISSION

1. While no standard form for the statement of pre-medical credentials is required, certificates submitted must give complete information as to the number of didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them direct to the Dean, The School of Medicine, The George Washington University, 1335 H Street N.W., Washington, D. C.

Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended completely compiled pre-medical credentials and forward them for evaluation as long a time as possible before the opening of The School of Medicine in September.

FEEs

See pages 50-54.

PAYMENT

1. All fees are payable at the office of the Assistant to the Comptroller at The Medical Building, 1335 H Street N.W.

2. No student is permitted to complete registration or to attend classes until all fees are paid.

3. On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit the University Fee, the Material and Breakage deposits, and two months' tuition—a total of \$126.00. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

After the initial payment for two months to secure registration in the freshman class, tuition may be paid in monthly installments in advance.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Beginning with the session 1931-32 payment of fees in The School of Medicine will be as follows:

Fees for each trimester will be due and payable in advance as follows:

	1st, 2nd and 3rd years	4th year
First trimester.....	\$160.00	\$150.00
Second trimester.....	140.00	140.00
Third trimester.....	132.00	132.00
	<hr/> \$432.00	<hr/> \$422.00

In exceptional cases, subject to the approval of the Comptroller, students may make special arrangements for the payment of second and third trimester charges.

TEXTBOOKS

The minimum cost of necessary textbooks and student equipment (glass slides, clinical thermometers, stethoscope, hemocytometer, etc.) is approximately as follows:

First year	\$50.00
Second year	87.00
Third year	45.00
Fourth year	30.00
Total	\$212.00

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships, prizes, and loan funds are available to students in The School of Medicine:

Scholarship. The John Hitz Metzertott Scholarship.
For particulars of application and award, see page 55.

Prizes. The Ordranax Prize of \$100.00 is awarded to the member of the graduating class who has the highest scholastic standing.
For information concerning other prizes, see page 58.

Loan Funds. Daughters of the American Revolution Loan Fund, Harmon Foundation Loan Fund, Henry Strong Educational Foundation Loan Fund, University Loan Fund.

For particulars concerning application for loan funds and the administering of the same, see page 63.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE MEDICAL SCHOOL

The payment of the University fee, charged all students, entitles them to certain health services described under the Department of Health Administration, page 265. Payment of this fee secures for students certain student activity privileges, see page 70.

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this school in the following hospitals of the District: Casualty Hospital, Children's Hospital, Columbia Hospital for Women, Emergency Hospital, Episcopal Eye, Ear and Throat Hospital, Garfield Memorial Hospital, Providence Hospital, Saint Elizabeth's Hospital, Sibley Hospital, Tuberculosis Hospital, and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is

published annually in the Journal of the American Medical Association and a copy of the list may be consulted in the office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with other states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the faculty are eligible for membership on election.

Meetings of the Society are held in the Medical Building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this Society, that they may have the opportunity of hearing the medical papers presented, and become familiar with medical society procedures.

REGULATIONS

Students in The School of Medicine are subject to the general University regulations as stated beginning on page 65.

REGISTRATION AND ADMISSION TO CLASSES

Registration in The School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee deems it advisable to do so.

Time. All matriculations and registrations must be completed within three days after the opening of the session.

Admission to Classes. Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second, third and fourth year students are admitted on presentation of their receipt for the payment of fees.

ABSENCE

1. Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun or leaving before either is dismissed.

2. Absence is not allowed unless an excuse is obtained from the Dean or the Instructor.

3. Application for excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician.

4. For every unexcused absence, a department will deduct one-half of one per cent from the student's final grade in the subject involved.

EXAMINATIONS

Examinations may be written, oral or practical and may be held at the completion of each course or at the end of the academic year.

Absence from Examinations. A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination except by special permission of the Advisory Committee. For special examinations a fee of \$10.00 will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of the Faculty.

Failure. A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September pre-term examinations.

A student allowed to repeat a year or take the September examinations will be required to take such examinations and to do work in such subjects as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGES AND WITHDRAWALS

Changes in Courses. Course change and withdrawal are not allowed except upon authority of the Advisory Committee.

Withdrawal. To withdraw from a course a written request approved by the Dean is required. Withdrawal permits and course certificates are issued only to those who have a clear financial record with the University.

GRADUATION REQUIREMENTS

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and be free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student, completed all required courses and passed all prescribed examinations.

With Distinction. Candidates who have attained an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

LIMITATION OF REGULATIONS

Reservation of Right to Change Rules. The Faculty reserves the right to modify or change requirements, courses, rules and fees in The School of Medicine.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

- (1) Anatomy, including embryology and histology.
- (2) Bacteriology and Pathology, including clinical microscopy, preventive medicine and hygiene.
- (3) Biochemistry, including clinical chemistry.
- (4) Medicine, including allergy, dermatology, neurology, pediatrics, tropical medicine, physical diagnosis, psychiatry, medical jurisprudence and syphilology.
- (5) Obstetrics and Gynecology.
- (6) Pharmacology.
- (7) Physiology, including clinical physiology.
- (8) Surgery, including urology, laryngology, military surgery, ophthalmology, orthopedics, otology, and roentgenology.
- (9) Military Science and Tactics.

Clinics. Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery and Obstetrics and Gynecology. The Assistant Dean assigned to the Clinical Division prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anaesthetics, assists at operations and confinements and studies the care and treatment of cases admitted to the medical wards.

THE PLAN OF INSTRUCTION

Each year of the medical course is divided into the fall (12 weeks), winter (10 weeks), and spring (11 weeks) trimesters. The course for the degree of M.D. must begin with the fall trimester. Admission requirements are given elsewhere but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject material so as to give him not only a single subject, but also the allied subjects in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of The School of Medicine are attached. The one policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of medicine.

FIRST YEAR

During the first year the time of the students is devoted to anatomy, histology and embryology (which is carried on by demonstrations to sections and by work in the dissecting room), physiology and chemistry. The work in general anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable as an exact science although the clinical aspects of the subject are almost constantly in the foreground. Physical and physiological chemistry are taught by lectures, demonstrations, recitations and practical work in the laboratory. The work in physical chemistry is completed in the first year. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession of medicine.

SECOND YEAR

During the second year the work in anatomy, physiology, pathology, bacteriology, immunology and pharmacology is completed. Courses in

clinical chemistry, preventive medicine and hygiene are given. The work in bacteriology and immunology is taught by lectures, laboratory work and conferences. Emphasis is laid upon those parts of the subject matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases and their treatment. The medical problems of bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in medicine, surgery, obstetrics, gynecology, pediatrics, therapeutics, clinical microscopy, roentgenology and medical jurisprudence. There are clinical lectures, demonstrations, diagnostic clinics, operative clinics and follow-up clinics in medicine, surgery, urology, obstetrics, gynecology, neurology, psychiatry, pediatrics, ophthalmology, dermatology, syphilology, laryngology, otology, and orthopedic surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history taking and the practical technique of physical diagnosis.

FOURTH YEAR

During the fourth year the class is divided into small sections and required to attend ward clinics in The University Hospital, Gallinger Municipal Hospital, The Garfield Memorial Hospital, The Children's Hospital, Providence Hospital, St. Elizabeth's Hospital, The Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics students have the opportunity of applying the various methods of precision (the principles of which they have already studied) and are expected to become familiar with case history, make diagnoses, give prognoses, advise treatments and watch the progress of cases. A course is given in Medical History and General and Medical Ethics.

COURSES OF INSTRUCTION

The courses of study will be found listed in alphabetical order beginning on page 214.

For catalogues, application blanks and further information, address:

The Dean,
The School of Medicine,
The George Washington University,
1335 H Street N.W., Washington, D. C.

SCHEDULE OF DEPARTMENTS, COURSES AND ALLOTTED HOURS¹

DEPARTMENTS AND COURSES	HOURS											Total Dept. Hours	
	Week-hours per Trimester			1st Year		2nd Year		3rd Year		4th Year			Total Course Hours
	1st (12)	2nd (10)	3rd (11)	DID.	LAB.	DID.	LAB.	DID.	LAB.	DID.	LAB.		
ANATOMY													860
Histology	9	9		30	168							198	
Embryology			9	30	60							90	
Gross	15	15	15	60	420							480	
Neural	6					12	60					72	
Applied		2				20						20	
BACTERIOLOGY AND PATHOLOGY													701
Bacteriology	12	12	19			32	112					144	
Pathology						64	256					320	
Autopsies		3	3			12	72					72	
Prevent. Med. and Hygiene	3	3 (24 weeks)					51	24	48		30	63	
Clinical Microscopy	1	1	1									72	
Clin. Path. Confer.												30	
BIOCHEMISTRY													239
Clinical Chemistry	8	8	3	80	96	21	42					176	
MEDICINE													855
Dermatology ²	1	(16 weeks)	1					16		6		16	
Ethics	4	4	4					132	33			6	
General Medicine ²												132	
Medical Clinics										375		408	
Medical Jurisprudence								12				12	
Neurology ²	1	1	1							30		30	
Pediatrics ²	2	4	4					24				24	
Physical Diagnosis	4	4	4					24				132	
Psychiatry ²	1	1	1							30		30	
Therapeutics	1	1	1					33				33	
Tropical Medicine	1	1	1					22				22	

Medical Psychology		1	10	10	10	10	10	10	10
OBSTETRICS AND GYNECOLOGY									
Obstetrics									
Lectures	1 and 2 (1 and 2 sections; 7 weeks)								
Lab. Demonstrations	2 (sections; 3 weeks)								
Clinics									
Gynecology									
Lectures	1	1	1						
Clinics									
PHARMACOLOGY, MATERIA MEDICA, AND TOXICOLOGY									
Physiology	5	9	2						
Clinical Physiology	3 and 12 (Sections; 7 weeks)	3	5	121					
SURGERY									
Anesthesia ¹	1								
General Surgery ²	2 and 2 (16 weeks)	2	2						
Minor Surgery ³	1								
Neuro-surgery ⁴	2								
Ophthalmology ⁵	1								
Orthopedics ⁶	1								
Oto-laryngology ⁷	1 (16 weeks)	1							
Röntgenology ⁸	1								
Surgical Clinics ⁹	1	1	1						
Urology	1	1	1						
MILITARY SCIENCE ¹⁰	1	1	1						
1 hour weekly throughout each school year									
Totals		321	744	1065	1070	743	1048	3926	3926

¹ School year is divided into three terms:

First Trimester (12 weeks).

Second Trimester (10 weeks).

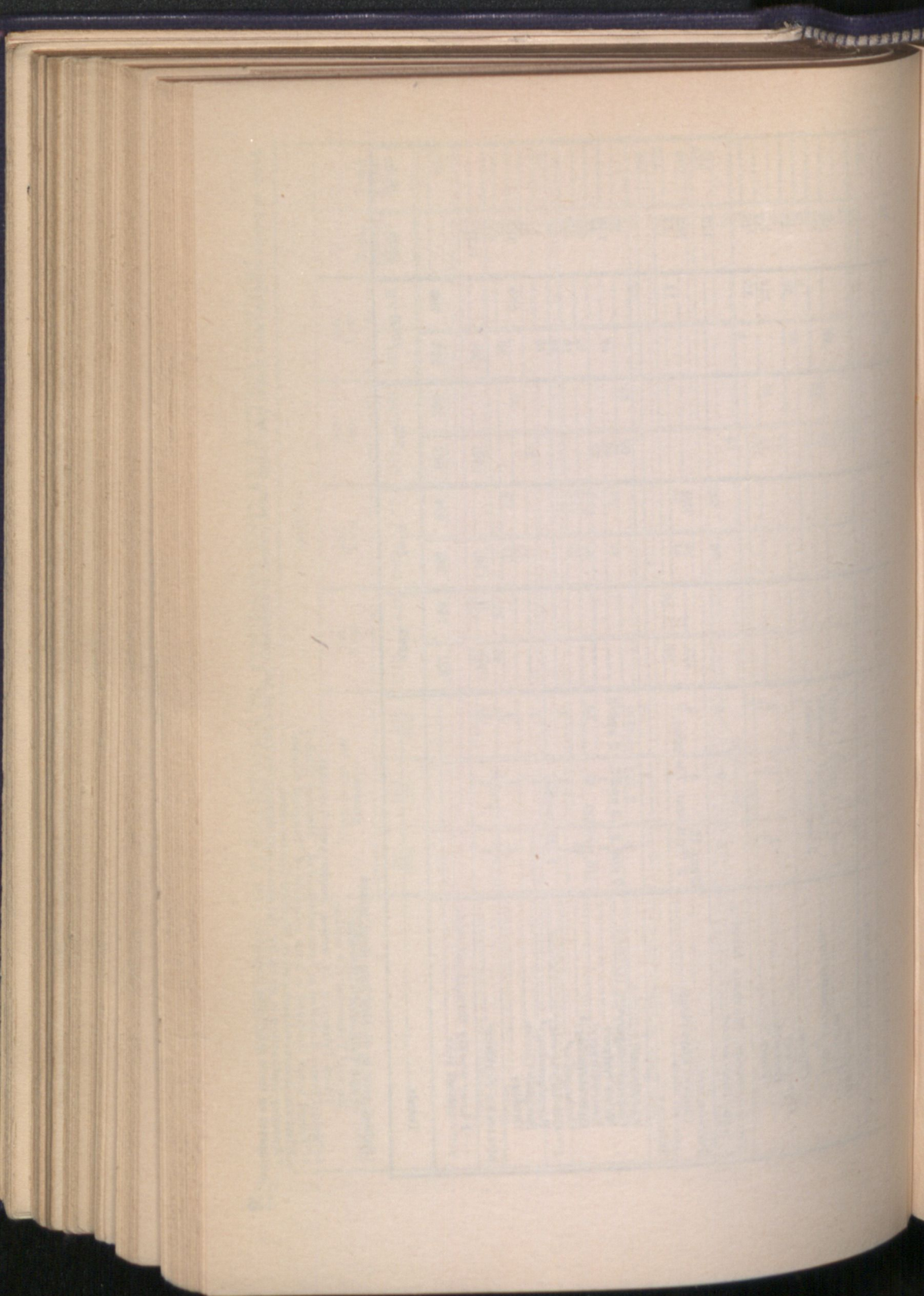
Third Trimester (11 weeks).

² Clinical hours included in hour schedule of "Medical Clinics".

³ Clinical hours included in hour schedule of "Surgical Clinics".

⁴ Elective; hours not included in Medical Course total.

⁵ Autopsy instruction is given for the most part during the 2nd and 3rd trimesters of second year; third and fourth year students attend as many autopsies as their schedules permit.



THE SCHOOL OF NURSING

OFFICERS

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
WILLIAM CLINE BORDEN, M.D., *Dean of The School of Medicine.*
ETHEL RUTH SCHOFF, *Principal of The School of Nursing.*

INTRODUCTORY STATEMENT

HOSPITAL

The George Washington University Hospital is a general hospital with 110 bed capacity, non-sectarian, for white patients only. It is located at 1339 H Street N.W., in the central part of the city. Connected with the Hospital is a Dispensary having a large out-patient service, so that the institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical and emergency nursing and the administrative work incident to a hospital.

The Hospital Staff are all members of the Faculty of Medicine of the University School of Medicine, and the nurses receive the benefit arising from instruction, and the nursing of cases, under these trained teachers.

ADVANTAGES

Nurses in training in this institution have advantages incident to University association. The class-room and laboratory equipment of the University School of Medicine which adjoins the Hospital, are used by the student nurses for class work.

NURSES' HOME

The Nurses' Home, Parkside Hotel, 1336 I Street N.W., with a resident matron, is located a short distance from the Hospital.

BOARD OF LADY MANAGERS

The Hospital and the School of Nursing are materially assisted by an efficient Board of Lady Managers whose personal interest and financial assistance do much to improve these institutions.

ADMISSION REQUIREMENTS

1. Candidates for admission must present certificates of graduation from accredited high schools or other preparatory schools or certificates of advanced standing showing credit for work in an accredited college previously attended.

2. Applicants must be over eighteen years and under thirty-five years of age, and must submit evidence of being physically sound and of good moral character.

Certificate blanks will be furnished upon application to the Principal of The School of Nursing.

REGISTRATION

Students entering the course will register with the Principal of the School of Nursing.

REQUIREMENTS FOR GRADUATION

Candidates for the Diploma in Nursing must be not less than twenty-one years of age, of good moral character, have satisfactorily completed all required work and have passed all examinations.

COURSE LEADING TO THE DIPLOMA IN NURSING

A three-year course leading to a Diploma in Nursing is offered. Approved applicants will be received on probation for a period of four months, at the end of which time those who appear to be fitted for the Nursing profession will be accepted as student nurses. The remainder of the three-year course is devoted to didactic and laboratory instruction and to fundamental professional training in the University Hospital. Special courses in Pediatric Nursing, Eye, Ear, Nose, and Throat Nursing, and Mental Nursing are included in the third year.

FIRST YEAR

	<i>Hours</i>	<i>Units</i>
Anatomy and Physiology	120	5
Bacteriology	45	2
General and Applied Chemistry	45	2
Personal Hygiene	15	1
Elementary Materia Medica	15	1
Principles and Practice of Nursing	120	5
History and Ethics of Nursing	30	2
Elements of Pathology	15	1
Dietetics	60	3
Materia Medica and Therapeutics	30	2
Psychology	15	1
Case Study	15	1
		<hr/>
		26 26

SECOND YEAR

	<i>Hours</i>	<i>Units</i>
Nursing in General Medical Diseases	30	2
Nursing in Medical Specialties; Communicable Diseases and Skin	30	2
Nursing in General Surgical Diseases	30	2
Nursing in General Surgical Specialties: Orthopedics, Gynecology, Otorhynology, and Operating Room Technique	30	2
Pediatric Nursing and Infant Feeding	30	2
Modern Social and Health Movements	30	2
		<hr/>
		12 12

THIRD YEAR

	Hours	Units
Obstetrical Nursing	30	2
Psychiatric Nursing	30	2
Nursing in Eye, Ear, Nose and Throat	15	1
Emergency Nursing and First Aid	15	1
Survey of the Nursing Fields	15	1
Professional Problems	15	—
		<hr/> 7 7
Total		<hr/> 45 units

COURSES OF INSTRUCTION

For a description of the courses of instruction offered see the special announcement of The School of Nursing.

FEES AND REMUNERATION

During the Probationary period no monetary remuneration is allowed. From the date of acceptance as a Pupil Nurse a remuneration of twelve dollars a month is allowed during the course of training.

A graduation fee of \$10.00 is charged for certificate in nursing.

REGULATIONS

RESIDENCE

While engaged in hospital training all students are required to live in The Nurses' Home where no charge is made for room, board and laundry. All baggage must be sent to The Nurses' Home.

EQUIPMENT AND UNIFORMS

All students when admitted to The School of Nursing must provide themselves with a complete uniform outfit, as prescribed by the Principal of the School.

Probationers are required to bring with them two laundry bags, one pair of rubbers, two pairs of black oxford shoes with military rubber heels, black hose, one kimona, one napkin ring marked with name, one watch with second hand (Ingersoll Midget or equivalent is recommended). All articles of clothing must be plainly marked with name in full with indelible ink. All student nurses will furnish hair nets and wear them while in uniform.

When probationers are accepted as student nurses, scissors, necessary text-books, bibs, and the School cape will be supplied them and charged for at cost price. The School cape may not be taken from the School unless the nurse graduates.

Jewelry is not worn on duty, and if of any value should be left at home. If brought to The Nurses' Home it will be at the owner's risk.

ATTENDANCE

Absence from duty on account of severe illness in the hospital or certified to by the University Physician in excess of three weeks during the course must be made up. When a student nurse is absent for any cause exceeding six weeks she will forfeit her position in the School but may enter the succeeding class, if approved by the Executive Committee. No payment will be made for time lost by illness.

Two hours are allowed week days for rest, study and recreation; also one-half day (after 1 p. m.), each week and one-half day on Sunday.

Student nurses will be allowed a vacation of two weeks for each year of training, including the probationary period.

MEDICAL ATTENTION

In case of illness all students in The School of Nursing will receive medical attention and care in the Hospital when necessary.

CONDUCT AND RECORD OF STUDENTS

Pupil nurses may be dropped at any time for inefficiency, misconduct, unsatisfactory record, or whenever in the interest of the student nurse or the School the Executive Committee of The School of Nursing deems it advisable to do so.

STUDENT ADVISORY COUNCIL OF THE SCHOOL OF NURSING

An advisory council consisting of three pupil nurses is established in the School.

The purpose of this council is to develop a closer cooperation between the nurses' student body, the faculty of the School, and the administrative authorities of the Hospital; to aid in the enforcement of discipline and to secure strict conformity to the rules of the School; to devise ways and means for social activities; and to encourage higher ideals.

OTHER REGULATIONS

Students in The School of Nursing are students in The George Washington University and as such may be subject to the University regulations as stated beginning on page 65 of the University Catalogue.

For further information apply to:

The Principal of The School of Nursing,
The George Washington University Hospital,
1339 H Street N.W., Washington, D. C.

THE LAW SCHOOL

THE FACULTY*

CLOYD HECK MARVIN, Ph.D., LL.D., *President of the University.*

† WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Dean of The Law School.*

CHARLES SAGER COLLIER, A.B., LL.B., *Acting Dean of The Law School.*

COMMITTEES

THE EXECUTIVE COMMITTEE

CHARLES SAGER COLLIER, *Chairman ex-officio*

CARVILLE DICKINSON BENSON

WALTER LEWIS MOLL

JAMES FORESTER DAVISON

SAUL CHESTERFIELD OPPENHEIM

WILLIAM THOMAS FRYER

HECTOR GALLOWAY SPAULDING

WILLIAM ARMSTRONG HUNTER

LIBRARY COMMITTEE

HECTOR GALLOWAY SPAULDING, *Chairman*

SAUL CHESTERFIELD OPPENHEIM

CARVILLE DICKINSON BENSON, JR.

THE LIBRARIAN

COMMITTEE ON REINSTATEMENT

WALTER LEWIS MOLL, *Chairman*

WILLIAM ARMSTRONG HUNTER

CARVILLE DICKINSON BENSON, JR.

COMMITTEE ON REGISTRATION

CHARLES SAGER COLLIER, *Chairman*

WILLIAM THOMAS FRYER

SAUL CHESTERFIELD OPPENHEIM

THE SECRETARY

COMMITTEE ON STUDENT AFFAIRS

WILLIAM ARMSTRONG HUNTER, *Chairman*

CHARLES SAGER COLLIER

WILLIAM THOMAS FRYER

* Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority.

† On sabbatical leave 1930-1931.

EMERITUS PROFESSOR

WENDELL PHILLIPS STAFFORD, A.M., LL.B., LL.D., Litt.D., *Professor Emeritus of Law.*

ACTIVE LIST

WALTER COLLINS CLEPHANE, LL.M., *Professor of Law.*
 EDWIN CHARLES BRANDENBURG, LL.M., *Professor of Law.*
 JOHN PAUL EARNEST, A.M., LL.M., *Professor of Law.*
 JOHN WILMER LATIMER, LL.B., *Professor of Law.*
 † WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Professor of Law.*
 CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law.*
 HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law.*
 WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*
 JOSEPH WINSTON COX, LL.B., *Professorial Lecturer in Law.*
 CARL CRUMBIE WHEATON, A.B., LL.B., *Visiting Professor of Law.*
 LOYD HALL SUTTON, S.B., LL.B., *Associate Professor of Law.*
 WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*
 WILLIAM THOMAS FRYER, A.B., LL.B., J.D., *Associate Professor of Law.*
 SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., *Associate Professor of Law.*
 CARVILLE DICKINSON BENSON, JR., A.B., LL.B., S.J.D., *Assistant Professor of Law.*
 JAMES FORRESTER DAVISON, A.B., LL.M., S.J.D., *Assistant Professor of Law.*
 LEVI RUSSELL ALDEN, A.M., LL.B., *Lecturer in Law.*
 GILBERT LEWIS HALL, A.B., LL.B., *Lecturer in Law.*
 CLARENCE ALTHA MILLER, LL.M., *Lecturer in Law.*
 RALPH HOSKINS HUDSON, Graduate U. S. Naval Academy, LL.B., *Lecturer in Law.*
 JAMES OLIVER MURDOCK, Ph.B., LL.B., *Lecturer in Law.*
 JOHN MONTEITH MCFALL, A.B., LL.B., *Lecturer in Law.*
 FREDERICK CHARLES O'CONNELL, LL.M., *Associate in Law and Clerk of the Moot Court.*

MOOT COURT OF APPEALS

LEON TOBRINER, LL.B., *Chief Justice.*
 BRAINARD WARNER PARKER, LL.B., *Associate Justice.*
 REGINALD SHIPPEN HUIDEKOPER, LL.B., *Associate Justice.*

† On sabbatical leave 1930-1931.

INTRODUCTORY STATEMENT

The George Washington University Law School, established in 1826, discontinued somewhat later and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the school took part in the organization of the Association of American Law Schools, and has been a member of the Association since that time. In 1911 the school became co-educational. In 1924, in compliance with the requirements of the American Bar Association and of the Association of American Law Schools, the late afternoon course for employed students was increased to four years. On September 1, 1925, the entrance requirements, also in compliance with the requirements of the associations mentioned above, were increased to two years of college work. The school is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine class rooms, library space with a maximum capacity of 40,000 volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of forty-one states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 11:00 P. M. on week days and from 2:00 to 6:00 P. M. on Sundays.

ACADEMIC YEAR

The academic year 1930-1931 begins on Wednesday, September 24, 1930, and closes Wednesday, June 10, 1931.

The academic year is divided into two semesters, the second beginning Monday, February 2. In addition there is a summer session of two terms of six and a half weeks each. The summer session of 1930 will begin June 15, the second term beginning July 30.

Registration is permitted at the beginning of the second semester. First year students taking the late afternoon classes may enter at that time for a regular course of ten hours per week. Such students may, by attending

the following summer session, complete most of the first year afternoon course. Other students may register for second semester subjects which they are qualified to take but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter convocation February 22.

ADMISSION REQUIREMENTS

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary school work, and at least two years, sixty semester hour credits, of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted conditioned in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in pre-legal studies.

The college work required for admission may be completed in The Junior College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street Northwest.

Advanced Standing. Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student will be admitted who has been in attendance at another law school and is ineligible, because of poor scholarship, to return to that school.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have at the time they register the degree of Bachelor of Arts or an equivalent degree from an approved college, and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

SPECIAL STUDENTS

A limited number of persons who cannot qualify as candidates for a degree but who are over twenty-five years of age and because of their maturity, educational training and practical experience seem qualified to pursue the study of law, may be admitted by the Executive Committee of the Faculty as special students. No special student will be admitted who has not completed at least a four-year high school course.

Candidates for admission as special students must file written applications setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by special students will not be counted toward the degree.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours per week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of pre-legal study should be filed with the Secretary of The Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of the Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in The Law School until proper credentials have been filed and approved by the proper officers of The Law School. (See Admission, above.)

Only with the approval of the Executive Committee may a student be permitted to register in the second semester of a year subject before he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject they must register for the other semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration at the beginning of the academic year indicates the student's program of study for the entire year unless otherwise stated. At the beginning of the second semester all programs for that semester must be rechecked and approved, and the initial payment of tuition fees made. Until this has been done the student will not be placed on the rolls for the semester.

Registration days for the academic year 1930-31 will be Friday to Tuesday, September 19 to 23, both inclusive, and Friday and Saturday, January 30 and 31. Except where special permission is given, students must register on the regular registration days. A late registration fee of \$5.00 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks for a semester or for a year subject after the first four weeks of the year.

Change of Registration. Registration may be changed only with the permission of the Dean. A fee of \$2.00 will be charged for each change authorized after registration.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS AND LOAN FUNDS

Scholarships. Scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to The Registrar of the University, in accordance with instructions stated on pages 55 and 63.

Loan Funds. Through the generosity of friends of the University a number of loan funds are available to students in The Law School. Among these is the Henry Strong—William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury.

PRIZES

Ellsworth Prize. The Ellsworth Prize of \$25.00 is offered by Mr. Fritz v. Briesen to the student doing the best work in the subject of Patent Law Practice. Awarded in 1928-29 to Arturo Casanova.

Samuel Herrick Prize. A prize of \$25.00 donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class (excepting the winner of the John Bell Larner Prize) who has attained the highest average grade in the work of the third year. Awarded in 1928-29 to Marian B. Phelps.

John Bell Larner Prize. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who has attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded in 1928-1929 to Charles V. Laughlin.

Ordronaux Prizes. A prize of \$50.00 is awarded annually to the student taking the regular full-time course who has attained the highest average grade in the work of the first year. A prize of \$50.00 is awarded annually to the student taking the regular full-time course who has attained the highest average grade in the work of the second year. This prize was formerly awarded annually to the student taking the regular course who attained the highest average grade in the work of the second year. Awarded in 1928-29 to Francis Kirkham.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the Senior Class of The Law School.

DEGREES

The degrees are Bachelor of Laws and Master of Laws.

Six Year Combined Course for the Degrees of Bachelor of Arts and Bachelor of Laws. The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in The Law School. (See Columbian College Announcement, page —.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

Six-Year Combined Course for the Degrees of Bachelor of Science in Engineering and Bachelor of Laws. The University will confer the degree of Bachelor of Science in Engineering upon the completion of the first three years of the course for that degree in the College of Engineering of The George Washington University and the first year in The Law School. (See announcement of the general course in The School of Engineering, page 158.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and complete the prescribed number of credit and required subjects.

Residence. The attendance requirement for this degree is three academic years for full-time students and four academic years for part-time students of which at least one academic year must be spent in residence at The George Washington University Law School. A year's attendance in the late afternoon classes for part time students is counted as residence for three-fourths of a year.

Number of Credits. The credit requirement is 80 semester hours. A semester hour is an hour a week of class work for one semester.

Scholarship. The 80 semester hours of work required must be completed with an average grade of at least "C," and not more than sixteen hours with a grade of "D" may be counted toward the degree.

Required Subjects. The following subjects are required for the degree of Bachelor of Laws: 111-112, Contracts; 124, Criminal Law and Procedure; 133-134, Personal Property; 137-138, Real Property I; 141-142, Torts; 163-164, Bills and Notes; 167-168, Civil Procedure; 171-172, Equity II; 177-178, Evidence; 187-188, Real Property II; 251-252, Constitutional Law; 257-258, Corporations; 281-282, Moot Court, or Patent Moot Court.

Honors. The degree of Bachelor of Laws "With Distinction" will be awarded students who obtain an average grade of "A."

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

Trusts, Conflict of Laws, and Constitutional Law, must be included in the course for the degree of Master of Laws if not previously taken. No first year subject and no second year required subject may be counted toward this degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

Scholarship. Courses taken for the Master's degree must be completed with a grade of not less than "C" in each subject and with an average grade of not less than "B."

REGULATIONS REGARDING DEGREES

Non-continuous Attendance. Candidates absent for more than one continuous academic year may re-enter and continue their work only under the rules and regulations in force at the time of their return. The Executive Committee, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

Right to Refuse. The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Application for Graduation. Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

HOURS OF INSTRUCTION

Hours. The regular course for full-time students is given from 9:00 A. M. until 1:00 P. M. Employed students may take the regular course in the classes held at 5:10 P. M. and 6:10 P. M.

Courses Offered. The statement of the courses of study offered will be found under "Law" in the alphabetical list beginning on page 214.

REGULATIONS

Students registered in The Law School are governed by the University regulations as stated beginning on page 65.

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9:00 A. M. to 1:00 P. M., may with the permission of the Dean take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9:00 A. M., may not register for more than ten hours per week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when in the judgment of the Dean the best interests of the student require it.

GRADES

The grade of a student in each subject is indicated by the letter P, Pass; D, Conditional Pass; or F, Failed. The meaning of these grades is as follows:

P, Pass, means that the work has been successfully completed and full credit given for the subject.

D, Conditional Pass, means that credit is given for the subject but not more than sixteen semester hours of such credit may be counted toward the degree.

F, Failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year has received a grade of F in one subject only and obtained a general average of C, may take the next regular examination in that subject, and if on such reexamination he attains the grade of C or better he will be given a grade of D (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: A, excellent, 85-100; B, good, 75-84; C, pass, 65-74; D, conditional pass, 55-64; F, failure, below 55.

SCHOLARSHIP REQUIREMENTS

Unless a student in each academic year receives a grade above F in at least three-fourths of the semester hours in which he is registered and obtains a numerical average grade of not less than 60 he will be denied registration in the future, but upon written application to the Committee on Reinstatement.

ment showing sufficient cause, and after a personal hearing if he so desires, he may be reinstated on such conditions as the committee may impose.

Graduation Requirement. See "Requirements for the Degree of Bachelor of Laws," page 147.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

In the case of absences exceeding ten per cent of the class hours and less than twenty-five per cent, these absences shall be added at the end of the academic year and for each fifteen hours of such absence the student's credit for the year shall be reduced by one semester hour. If a student is absent for more than twenty-five per cent of the classes in any subject he shall not be eligible to take the examination in that subject or to receive credit therefor. In all cases absences due to late registration shall be included.

CHANGES AND WITHDRAWALS

Changes in courses and withdrawals may be arranged *only in the office of the Dean or Secretary*. Unless this is done students will be treated as registered for the subjects shown on the original registration blanks and fees will be charged accordingly.

In no case will tuition fees be reduced because of non-attendance upon classes.

Withdrawals during a semester may be granted by the Dean upon *written application* setting forth reasons. See also pages 54 and 65.

A fee of \$2.00 will be charged for any change in courses after registration.

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in nor permitted to receive credit in less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; except, that upon written application to the Executive Committee, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the committee, be given a special examination not less than sixty days after the one which he failed to take or to pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows:

First year to 27; Second year, 28 to 55; Third year, 56 or more.

For catalogues, application blanks and further information, address:

The Dean of The Law School,
The George Washington University,
Stockton Hall, Washington, D. C.

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THE SCHOOL OF ENGINEERING

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

†JOHN RAYMOND LAPHAM, M.S., *Dean of The School of Engineering.*

ARTHUR FREDERICK JOHNSON, M.E., *Acting Dean of The School of Engineering.*

EXECUTIVE COMMITTEE

ARTHUR FREDERICK JOHNSON, *Chairman*

NORMAN BRUCE AMES

FRANK ARTEMAS HITCHCOCK

ACTIVE LIST

†JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering.*

OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*

FRANK ARTEMAS HITCHCOCK, M.S., C.E., *Professor of Civil Engineering.*

COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*

EDWARD HENRY SEHRT, PH.D., *Professor of German.*

WALTER LYNN CHENEY, PH.D., *Professor of Physics.*

NORMAN BRUCE AMES, B.S., E.E., LL.B., *Professor of Electrical Engineering.*

ARTHUR FREDERICK JOHNSON, M.E., *Professor of Mechanical Engineering.*

JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*

HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*

MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*

BENJAMIN CARPENTER CRUICKSHANKS, B.S. IN M.E., *Assistant Professor of Mechanical Engineering.*

DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*

PAUL REVERE NASH, B.S., *Assistant Professor of Electrical Engineering.*

ROBERT EDWARD ROYALL, B.S., *Lecturer in Civil Engineering.*

GEORGE ALBERT CHADWICK, B.S., *Lecturer in Mechanics.*

CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*

BLAKE VAN LEER, M.E., *Lecturer in Hydraulics.*

MAX ALLEN LETT, M.S. IN M.E., *Instructor in Mechanical Engineering.*

HAROLD HARRISON DUTTON, B.S., *Associate in Materials Testing.*

EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*

JOSEPH CARL OLEINIK, M.S., *Associate in Civil Engineering.*

JAMES AUGUSTIN ST. OMER ROY, B.S. IN E.E., *Associate in Mechanical Drawing.*

† On sabbatical leave 1930-1931.

INTRODUCTORY STATEMENT

The School of Engineering was organized in 1884 under the name of The Corcoran Scientific School of The George Washington University.

ADMISSION REQUIREMENTS

General Requirements. Candidates for admission to the Freshman Class are required to present fifteen units of accredited secondary school work, as follows:

English	3
Foreign Language	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Chemistry	1
Physics	1
History	1
Electives	3
Total	15 units

Advanced Standing. Candidates for advanced standing must present official transcripts of their records in the schools last attended.

Special Students. Special students must be over 21 years of age and must satisfy the instructor in each course which they wish to take of their ability to pursue the work of the course. No work taken by a special student will be credited toward a degree until he has met all entrance requirements and taken all prerequisites.

Application. For general regulations regarding admission and filing of credentials and the description of prescribed studies, see page 43.

REGISTRATION

Before registration, schedules for new students and special students must be approved by the Dean. Schedules of other students must be approved by the executive officer of the department.

For registration procedure, see page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned in The School of Engineering:

Henry Harding Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning application for loan funds and their administration of the same, see page 63.

DEGREES

The following degrees are granted for the satisfactory completion of four-year courses in The School of Engineering:

Bachelor of Science in Civil Engineering

Bachelor of Science in Electrical Engineering

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Engineering

Combined Engineering and Law Course. The first year of the regular course for the degree of Bachelor of Laws may be accepted as the fourth year of the course leading to the degree of Bachelor of Science in Engineering. This makes it possible for a student to obtain in six years the degree of Bachelor of Science in Engineering and the degree of Bachelor of Laws. This combined course especially meets the needs of a student who plans to enter patent law.

The following professional degrees may be granted to graduates of The School of Engineering who have established themselves in their profession to the extent of having responsible charge of engineering work, and who have presented an acceptable thesis:

Civil Engineer

Electrical Engineer

Mechanical Engineer

REQUIREMENTS FOR DEGREES

BACHELOR OF SCIENCE

Residence. Of the work required for graduation, at least 35 semester hours must be completed at The George Washington University.

Scholarship. The student's grades in at least two-thirds of the required semester hours must be "C" or higher.

Honors. One grade of special distinction is recognized in awarding the Bachelor's degree. The names of all students who have received a mark of at least "B" in courses representing at least sixty per cent of all hours taken by them are submitted by the Dean to the Faculty. After separate consideration of each case, the Faculty may recommend the awarding of the degree "With Distinction."

Application for Graduation. Application for graduation should be made at the time of registration for the first semester of the senior year.

PROFESSIONAL DEGREES

1. Application for the professional degree may not be made within three years after graduation.
2. A detailed statement of the candidate's experience with references and the title of his thesis must be filed in the office of the Dean at least eight months before Commencement.
3. If his application is accepted, the candidate must meet such requirements pertaining to the preparation of his thesis as may be laid down by the executive officer of his department.
4. A bound copy of the thesis, typewritten on thesis paper, must be filed in the office of the Dean on or before the first day of April preceding Commencement.

CURRICULUM REQUIREMENTS

1. CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
Chemistry 5-6	8	Civil Engineering 1	3
English 1-2	6	Civil Engineering 25-26	4
Foreign Language	6	Civil Engineering 102	3
Mechanical Engineering 3	3	Civil Engineering 118	2
Mechanical Engineering 4	3	Geology 1-2	4
Mathematics 11-12	6	Geology 1-2	6
Physical Education	2	Mathematics 19-20	8
		Physics 7-8	4
		Physics 15-16	2
		Physical Education	—
	34		36

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Civil Engineering 131	4	Civil Engineering 181-182	6
Civil Engineering 133-134	4	Civil Engineering 145-146	6
Civil Engineering 132	4	Civil Engineering 147-148	4
Civil Engineering 14	2	Civil Engineering 149-150	6
Civil Engineering 61-62	4	Economics 159	3
Civil Engineering 71-72	6	Electrical Engineering 136	2
Civil Engineering 41-42	6	Electrical Engineering 9-10	6
Economics 1-2	6	Electives	5
	—		—
	36		38
Total		144	

2. ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
Identical with Civil Engineer- ing Course	34	Civil Engineering 25-26	4
SUMMER FOLLOWING FRESHMAN YEAR		Mathematics 19-20	6
Civil Engineering 5, Elements of Surveying	2	Mechanical Engineering 7-8	4
	—	Mechanical Engineering 13-14	6
	36	Physics 7-8	8
		Physics 15-16	4
		Physical Education	2
			—
			34

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Civil Engineering 131	4	Economics 1-2	6
Civil Engineering 133-134	4	Electrical Engineering 121-122	8
Civil Engineering 132	4	Electrical Engineering 125-126	4
Mathematics 135	2	Electrical Engineering 133-134	4
Electrical Engineering 9-10	6	Electrical Engineering 136-137	4
Electrical Engineering 17-18	4	Electrical Engineering 139	2
Mechanical Engineering 111-112	6	Electrical Engineering 140	3
Civil Engineering 14	2	Mechanical Engineering 115	2
Economics 159	3	Mechanical Engineering 132	3
Electives	3		—
	—		—
	38		36
Total		144	

3. MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
Identical with Civil Engineering Course	34	Civil Engineering 25-26	4
		Mathematics 19-20	6
SUMMER FOLLOWING FRESHMAN YEAR		Mechanical Engineering 7-8	4
		Mechanical Engineering 13-14	6
Civil Engineering 5, Surveying	2	Physics 7-8	8
		Physics 15-16	4
		Physical Education	2
	36		34
JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Civil Engineering 131	4	Electrical Engineering 13-14	4
Civil Engineering 133-134	4	Mechanical Engineering 115-116	4
Civil Engineering 132	4		
Civil Engineering 14	2	Mechanical Engineering 127-128	5
Civil Engineering 41	3		
Electrical Engineering 9-10	6	Mechanical Engineering 129-130	6
Mechanical Engineering 111-112	6	Mechanical Engineering 131	2
Mechanical Engineering 118	2	Mechanical Engineering 138	2
Mechanical Engineering 125	3	Economics 1-2	6
Mechanical Engineering 132	3	Economics 159	3
		Electives	5
	37		37

Total 144

4. GENERAL COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
Chemistry 5-6	8	Civil Engineering 25-26	4
English 1-2	6	Economics 1-2	6
Mathematics (See Note 1)	6	Mathematics (See Note 1)	6
Mechanical Engineering 3	3	Physics 7-8	8
Mechanical Engineering 4	3	Physical Education	2
Physical Education	2	Electives	8
Electives (See Note 2)	6		
	34		34

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Civil Engineering 14.....	2	Electives (See Note 3).....	28
Civil Engineering 131-132.....	8		
Civil Engineering 133-134.....	4		
Electrical Engineering 9-10.....	6		
Mechanical Engineering 111-112.....	6		
Electives (See Note 2).....	6		
	<hr/>		<hr/>
	32		28
Total.....		128	

No student shall be admitted to the Senior Year of this course whose grade number is below 2.00.

In computing the grade number, each hour with grade A, B, C, D, E, F, counts 4, 3, 2, 1, 0, —1 points respectively. The grade number is obtained by dividing the total number of points by the total number of hours.

NOTE 1. The requirements in Mathematics for this degree are College Algebra, Trigonometry, Analytical Geometry, Differential Calculus and Integral Calculus. Students whose preparatory school or entrance examination grades show ability in Mathematics, may upon the recommendation of the Department of Mathematics, be excused from either Algebra or Trigonometry or both of these subjects. Those excused from one shall begin their Mathematics with the other; those excused from both shall begin their Mathematics with Analytical Geometry and shall take a three-credit course in Mathematics, beyond Calculus. Students taking both Algebra and Trigonometry shall be allowed three credits only toward the twelve required for graduation.

NOTE 2. Electives in the freshman, sophomore and junior years should be taken from the following list:

Mechanism.

Surveying.

Structures.

Physics.

Machine Drawing.

Electrical Laboratory.

Mechanical Laboratory.

Foreign Language.

Mathematics.

Geology.

NOTE 3. The purpose of the senior year of this course is to allow students who have demonstrated their ability to do better than passing work, to center their attention upon a group of subjects in which they have special interest. To this end, schedules shall be arranged before the beginning of the senior year and approved by the Executive Committee.

The first year of the regular course in The Law School may be accepted as fulfilling the requirements for the senior year of this course, for those students who desire to take the *Combined Engineering and Law Course*.

HOURS OF INSTRUCTION

Class hours are so arranged that persons who can give only part-time to college work may complete a full engineering course and obtain a degree. Classes in all general studies of the engineering courses and in most of the technical subjects are regularly scheduled in the two class periods from 5:10 to 7:00 p. m.; and other technical courses are given in alternate years in these periods. Drawing and laboratory courses for students with limited schedules are ordered from 7:30 to 10:30 p. m.

The statement of courses of instruction will be found listed in alphabetical order beginning on page 214.

REGULATIONS

Students in The School of Engineering are subject to the general University regulations as stated beginning on page 65.

AMOUNT OF WORK

The program for students is set forth in the statement of curriculum requirements beginning on page 156. Students with limited programs usually take not more than nine periods a week, and only in exceptional cases will they be permitted to take more than ten periods per week.

GRADES

The following grading system is used:

A, 90-100; B, 80-89; C, 70-79; D, 60-69; E, conditioned; F, failed; Inc., Incomplete. "Incomplete" is a temporary grade which may be removed by meeting the conditions set by the instructor when the grade is reported. An "E" may be changed to a "D" within one year by meeting the conditions set by the instructor. An "F" necessitates the repetition of the course.

SCHOLARSHIP

Requirement for graduation. See "Requirements for Degrees," page 155.

Delinquency. The scholarship committee shall have the power to warn, place on probation or suspend a student whose work is unsatisfactory.

A student who has been suspended for poor scholarship may be readmitted only upon approval of the Scholarship Committee.

CHANGES AND WITHDRAWALS

All changes in schedule and withdrawals must be approved by the Dean before they become effective. See general regulations regarding change and withdrawal on pages 54 and 65.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows: Freshman, below 34; Sophomore, 34; Junior, 68; Senior, 100.

THE SCHOOL OF PHARMACY

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
LOUIS FRANCIS BRADLEY, PHAR.D., *Dean of the School of Pharmacy.*
WILLIAM PAUL BRIGGS, M.S., *Assistant Dean of The School of Pharmacy.*

COMMITTEES

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WYMOND H. BRADBURY, PHAR.D. LEWIS FLEMER, PHAR.D.
LOUIS FRANCIS BRADLEY, PHAR.D. WILLIAM P. HERBST, PHAR.D.
PAUL PEARSON

SCHOLARSHIP COMMITTEE

PAUL WILLIAM BOWMAN, *Chairman*
BENJAMIN DOUGLASS VAN EVERA WILLIAM PAUL BRIGGS

ACTIVE LIST

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OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology.*
HIRAM COLVER McNEILL, PH.D., *Professor of Chemistry.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*
WILLIAM PAUL BRIGGS, M.S., *Associate Professor of Pharmacy.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
PAUL WILLIAM BOWMAN, PH.D., *Assistant Professor of Botany.*
BENJAMIN DOUGLASS VAN EVERA, M.S., *Assistant Professor of Chemistry.*
RAYMOND JOHN SEEGER, PH.D., *Assistant Professor of Physics.*
EUGENE CHRISTIAN BROKMAYER, *Lecturer on Pharmaceutical Jurisprudence.*
ASA VERNON BURDINE, *Lecturer on Commercial Pharmacy.*
CLAYTON HOWARD HIXSON, M.D., *Lecturer on Physiology.*
MARVIN RUSSELL THOMPSON, PH.G., *Lecturer on Pharmacology.*
A. MAGRUDER MacDONALD, M.D., *Lecturer on First Aid.*
AUGUSTUS CARRIER TAYLOR, *Lecturer on Pharmaceutical Ethics.*
EWALD WITT, M.S. IN PHAR., *Instructor in Pharmacy.*

INTRODUCTORY STATEMENT

The School of Pharmacy holds membership in the American Association of Colleges of Pharmacy. The object of the conference is to promote the interests of pharmaceutical education in all institutions holding member-

ship in the same and to maintain standard requirements for entrance and graduation.

All work offered in The School of Pharmacy meets the highest requirements of pharmaceutical instruction. The aim is to train pharmacists so as to enable them to perform intelligently and efficiently any work that may be required from a pharmacist with scientific training.

ADMISSION REQUIREMENTS

General Requirements. Candidates for admission to the Freshman Class must submit 15 units of accredited secondary school work which shall include:

English, 3 units; Foreign Language, 2 units (both in the same language); Algebra, 1 unit; Plane Geometry, 1 unit; Electives, 8 units.

For general regulations regarding admission and filing of credentials and description of prescribed studies see page 43.

REGISTRATION

See page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

THE KALUSOWSKI MEMORIAL SCHOLARSHIP

The District of Columbia Retail Druggists' Association offers a yearly scholarship the value of which is equal to the tuition for the three-year course leading to the degree of Ph.G. This scholarship is offered to graduates of a four-year high school course in any high school in the District of Columbia, and is known as the Kalusowski Memorial Scholarship in memory of Dr. Henry E. Kalusowski, for many years Dean of The School of Pharmacy.

For other scholarships and for particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning application for loan funds, and their administration, see page 63.

DEGREES

The degrees conferred are Graduate in Pharmacy and Bachelor of Science in Pharmacy.

To be recommended for the degree of Graduate in Pharmacy, the candidate must have satisfied the admission, residence and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the three-year curriculum, amounting to at least 100 semester hours as specified.

To be recommended for the degree of Bachelor of Science in Pharmacy, the candidate must have satisfied the admission, residence and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the four-year curriculum, amounting to at least 132 semester hours as specified.

REQUIREMENTS FOR DEGREES

Residence. At least one year must be spent in residence at this School.

Attendance. Candidates for the degree of Graduate in Pharmacy must have attended at least 80 per cent of all required instruction during three sessions of 32 weeks each in three separate years; and candidates for the degree of Bachelor of Science in Pharmacy must have attended 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years. Candidates must be present at the time specified for the final examinations, and also at commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council.

Personal Qualifications. Every candidate for the degree of Ph.G. must be at least 21 years of age and of reputable character. He must have complied with the admission and other requirements herein set forth.

COURSES OF INSTRUCTION

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects. Students in Pharmacy have the advantage of instruction in all departments of the University.

Instruction is given during the day and late afternoon.

The courses of instruction offered will be found listed in alphabetical order beginning on page 214.

CURRICULUM REQUIREMENTS

THREE-YEAR COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY

FIRST YEAR

	<i>Semester Hours</i>
Pharmacy 1-2, 3-4	8
Chemistry 3-4 or 5-6	10 or 8
Botany 1-2	6
English 1-2	6
Pharmacy 5-6	4
Pharmacy 9	1
	<hr/> 35 or 33

SECOND YEAR

Pharmacy 53-54, 61-62, 63-64	10
Chemistry 11-12	8
Pharmacy 65-66	6
Pharmacy 72	1
Physics 3-4	6
Pharmacy 67	1
Pharmacy 77-78	2
	<hr/>
	34

THIRD YEAR

Pharmacy 151, 152, 153-154-155-156-157	10
Chemistry 41-42	8
Pharmacy 173-174	2
Pharmacy 165-166	4
Pharmacy 101-102	2
Bacteriology 221	3
Pharmacy 162	-
Pharmacy 167-170	4
	<hr/>
	33
Total	102 or 100

FOUR-YEAR COURSE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN PHARMACY

FIRST, SECOND and THIRD YEARS—same as for three year curriculum—102 or 100
semester hours

FOURTH YEAR

	<i>Semester Hours</i>
Pharmacy 181-182	6
Chemistry 121-122	8
Zoology 1-2	6
Elective	12
	<hr/>
	32
Total	134 or 132

REGULATIONS

Students registered in The School of Pharmacy are subject to the general University regulations, a statement of which will be found beginning on page 65.

AMOUNT OF WORK

Normal work for any year shall be that outlined under the head of Curriculum Requirements.

A student who wishes to take more than the normal amount of work may do so only with the permission of the scholarship committee, who shall be guided in their decision by his scholastic record and the extent to which he is employed outside of school.

A student on probation shall not be permitted to carry more than the normal amount of work.

A student shall not register concurrently in the School of Pharmacy and in any other school of this or another institution except with the consent of the authorities of both schools. Evaluation of credit for work done in the other school shall be at the discretion of the Committee on Advanced Standing.

GRADES

The following grades are given: A (90-100) excellent; B (80-89) good; C (70-79) average; D (60-69) passing; E (below 60) conditioned (not passing); F, failure; Inc., incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above "E."

SCHOLARSHIP

HONORS.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

POOR SCHOLARSHIP.

Warning. A student who makes a grade of "D" or below in more than one course shall be warned that he must improve his scholarship.

Probation. Students so warned who do not attain grades of "C" or higher in three-fifths of their work in the succeeding semester shall be placed on probation.

A student removes his probation when he attains a grade of "C" or higher in three-fifths of the work carried.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Dismissal. A student who receives a grade of "E" or "F" in two courses in two successive semesters will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted.

APPLICATION OF RULES.

For the purpose of these rules a Summer Session will be considered a semester.

Students with Limited Schedules. In the case of students with limited schedules these rules will be applied only when the student has undertaken seventeen units or multiples thereof, unless he shall sooner fall under the penalty. That is, his case will be judged when he has undertaken seventeen units, again when he has undertaken thirty-four units, always excepting cases which fall under this penalty sooner.

Courses duly dropped or graded "Incomplete" and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

ELIGIBILITY FOR STUDENT ACTIVITIES.

a. A student warned or on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. The Dean of The School of Pharmacy may declare a student ineligible to participate in any student activity when in the opinion of the Dean the student's participation in such activity would be detrimental to his own best interests or the interests of the University.

CHANGES AND WITHDRAWALS

After registration no student may change his program without the permission of the Dean; a charge of \$2.00 will be made for each change. In case of withdrawal from the University prompt notice should be sent to the Dean. Notice to a professor of withdrawal from his class does not effect its discontinuance.

A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor except: (a) on the advice of his

physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

Changes in schedule from one section to another of the same course may be made at any time with the consent of the executive officer of the department. See regulations regarding changes and withdrawals on pages 54 and 65.

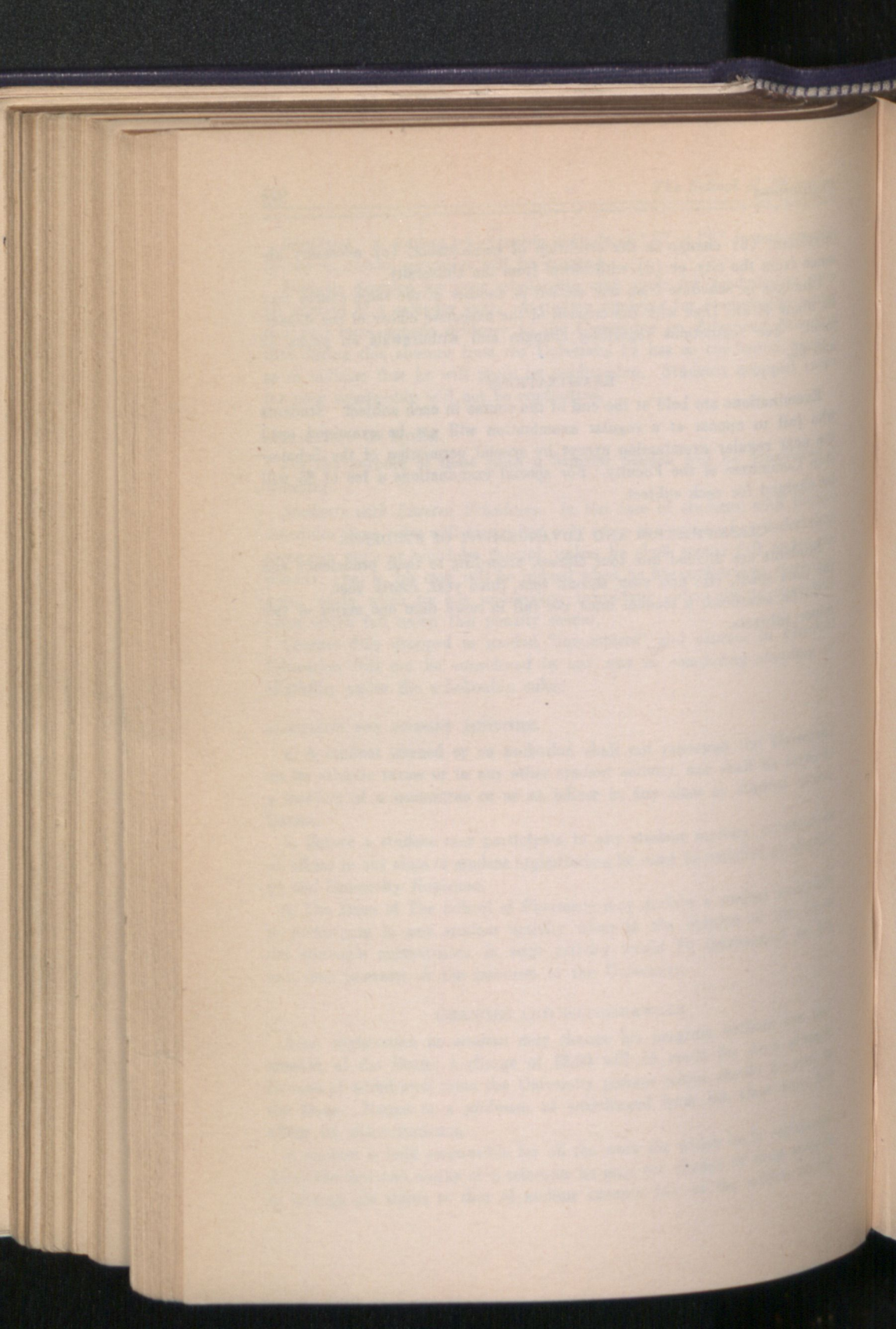
EXAMINATIONS

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Scholarship Committee of the Faculty. For special examinations a fee of \$5 will be charged for each subject.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, fourth year.

To be advanced, a student must not fail in more than one major or two minor subjects.



THE SCHOOL OF EDUCATION

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
WILLIAM CARL RUEDIGER, PH.D., *Dean of The School of Education.*

COMMITTEES

THE DEAN'S COUNCIL

WILLIAM CARL RUEDIGER, *Chairman*

†THOMAS BENJAMIN BROWN
J. ORIN POWERS

ROBERT FISKE GRIGGS
WILLIAM CULLEN FRENCH

ADMISSION AND ADVANCED STANDING

J. ORIN POWERS, *Chairman*

HAROLD GRIFFITH SUTTON

DUDLEY WILSON WILLARD

SCHOLARSHIP

WILLIAM CULLEN FRENCH, *Chairman*

FRED AUGUST MOSS

EDWARD HENRY SEHRT

DISCIPLINARY RELATIONS

WILLIAM CARL RUEDIGER, *Chairman*

JAMES EBENEZER PIXLEE

FRANCES KIRKPATRICK

ACTIVE LIST

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*
WILLIAM CARL RUEDIGER, PH.D., *Professor of Education.*
EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*

DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*

†THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics.*

HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*

ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*

COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*

EDWARD HENRY SEHRT, PH.D., *Professor of German.*

FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*

JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*

WILLIAM CULLEN FRENCH, PH.D., *Professor of Education.*

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*

DUDLEY WILSON WILLARD, PH.D., *Professor of Sociology.*

JAMES EBENEZER PIXLEE, B.S., *Professor of Physical Education for Men.*

*Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority.

†On sabbatical leave 1930-1931.

- FRANK WASHINGTON BALLOU, PH.D., *Professorial Lecturer in Education.*
 JESSIE ELIZABETH LASALLE, A.M., *Professorial Lecturer in Education.*
 MANDEL SHERMAN, M.D., PH.D., *Professorial Lecturer on Child Development.*
 TENJES HENRY SCHUTTE, PH.D., *Visiting Professor of Education.*
 EHRLICH EDWARD SMITH, A.M., *Visiting Professor of Education.*
 J. ORIN POWERS, PH.D., *Associate Professor of Education.*
 HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
 WARREN REED WEST, PH.D., *Associate Professor of Political Science.*
 LELAND ARTHUR BROWN, PH.D., *Associate Professor of Zoology.*
 RUTH HARRIET ATWELL, PH.B., *Associate Professor of Physical Education for Women.*
 FRANCES KIRKPATRICK, A.M., *Assistant Professor of Home Economics.*
 CHARLES ELMER RESSER, PH.D., *Lecturer in Geography.*
 EMELINE STORM WHITCOMB, A.M., *Lecturer in Home Economics.*
 WILLIAM MIDDLETON, A.M., *Lecturer in Psychology.*
 JAMES ALLAN HICKS, PH.D., *Lecturer in Education.*
 LEWIS RAYMOND ALDERMAN, A.B., *Lecturer on Adult Education.*
 MAUDE ELEANOR AITON, A.M., *Lecturer on Americanization.*
 FLORENCE VAN AUKEN WATKINS, B.S., *Lecturer on Parental Education.*
 SUSIE ROAT RHODES, *Lecturer in Physical Education for Women.*
 THELMA HUNT, PH.D., *Instructor in Psychology.*
 JANET PIERSON JONES, B.S., *Instructor in Physical Education for Women.*
 KATHRYN MILDRED TOWNE, A.M., *Instructor in Home Economics.*
 BERNICE RANDALL ANGELICO, A.B., *Instructor in Music.*
 HELEN BENNETT LAWRENCE, *Instructor in Physical Education for Women.*
 CLAUD MAX FARRINGTON, A.B., *Instructor in Physical Education for Men.*
 JEAN ELYLE SEXTON, A.B., *Instructor in Physical Education for Men.*
 RUTH MARY AUBECK, B.S., *Instructor in Physical Education for Women.*
 LEONARD WALSH, A.B., *Instructor in Physical Education for Men.*
 HELEN MARIE DYER, M.S., *Associate in Chemistry.*

PURPOSE AND SCOPE

It is the purpose of the School of Education to prepare teachers, supervisors and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their training. The School embraces the departments of Education, Educational Psychology, Physical Education and Home Economics and is affiliated with all the other departments of the University in which the student is likely to elect work. Both graduate and undergraduate work are offered.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

The courses of instruction offered will be found listed in alphabetical order beginning on page 214.

REGISTRATION

See page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned to undergraduate students in The School of Education:

Maria M. Carter Scholarship; Citizens' Military Training Camp Scholarship; David Spencer Scholarship; John Withington Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning the application for loan funds and their administration, see page 63.

REGULATIONS

Students registered in The School of Education are subject to the general University regulations, statement of which will be found beginning on page 65.

AMOUNT OF WORK

A normal program of work for undergraduate students is 16 hours a week. Students whose work averages "B" or higher may, with the Dean's permission, take 18 or 19 hours. More than 19 hours may not be taken except by special permission of the Faculty.

For employed students nine hours a week constitutes a normal program of work. Students whose work averages "B" or higher for the preceding semester may be permitted by the Dean to take 12 or 13 hours.

For graduate students 12 hours a week, exclusive of the thesis, constitutes a normal program of work. Employed students may not take more than nine hours a week.

A student may not register concurrently in The School of Education and in any other school or college except with the consent of the authorities of both schools.

GRADES

The following grades are given: A, excellent; B, good; C, average; D, passing; E, conditioned (not passing); F, failure; and Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given. The grade of D carries no credit in graduate work.

CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean. Notification to a professor of withdrawal from his course does not effect its discontinuance. See also pages 54 and 65.

UNDERGRADUATE DIVISION

ADMISSION

Admission to the undergraduate division of the School is based on (a) the satisfactory completion of two years, 60 semester hours, of approved college work, or (b) graduation from an approved two-year normal school. Students meeting these requirements are admitted as *regular students*. Others may be admitted as *special students* to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage. Not more than 30 semester hours of work earned as a special student may be counted toward a degree.

Unless offered for admission, general psychology must be taken concurrently with the first course in Education.

Students transferring from other colleges or from normal schools should request their high schools and their colleges or normal schools to transmit their credentials of work to the Registrar at least one month before the beginning of the session that they wish to enter. *All credentials must be in hand before the student may register.* Credentials are official and acceptable only when transmitted directly from school to school, without passing through the hands of the student.

SCHOLARSHIP REQUIREMENTS

For Graduation. Two-thirds of the total amount of work taken for graduation must be passed with a grade of "C" or higher.

Probation. Students who pass in one-half or more of their work but who make a grade of "C" or higher in less than three-fifths of their work are placed on probation. A student is taken off probation when he has attained a grade of "C" or higher in at least two-thirds of his work. Courses duly dropped or marked incomplete shall be disregarded in obtaining this average.

Dismissal for poor scholarship. Students who fail to pass (E or F) in half or more of their work, based on a minimum of 16 semester hours are dropped.

Readmission. A student who has been dropped for poor scholarship may within ten days appeal his case to the Scholarship Committee through the Dean. If the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the Committee may readmit him on probation. A student who has been denied readmission on proba-

tion may petition the Scholarship Committee through the Dean for readmission after the lapse of one semester. A student who has been dropped twice will not be readmitted.

Eligibility for participation in student activities. While on probation a student may not represent the University on its athletic teams or in any other intercollegiate activities, nor serve as an officer or member of a committee in any class or student organization.

HONORS

General Honors. Three grades of general honors are granted on graduation by vote of the faculty: (1) "With Distinction," (2) "With High Distinction," and (3) "With Highest Distinction."

In computing the basis for graduation with distinction, the grade of A shall count 3 points, B—2 points, C—1 point, and D—0 points.

"With Distinction" may be granted to students whose record averages 2 points or higher.

"With High Distinction" may be granted to students whose record averages 2.5 points or higher.

"With Highest Distinction" is granted only by special vote of the Faculty on students whose record is extraordinary.

Special Honors. Special honors may be awarded by the faculty to members of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department under the following regulations:

1. The student shall have his candidacy for special honors approved by the faculty member representing the major department not later than the beginning of the senior year.

2. At least four weeks before the date of graduation the candidate shall submit to his major adviser a record of research or an essay attesting scholarly attainment.

3. The candidate shall meet such other conditions as the major department may set at the time the student's candidacy is approved.

Honor Roll. The names of students whose scholarship record as a whole is satisfactory and who have made an average of "B" or higher on a minimum of 15 semester hours of work preceding the close of any semester are placed on an honor roll and published. Students on the honor roll are placed upon their own responsibility in respect to class attendance.

DEGREES CONFERRED

The degrees of Bachelor of Arts in Education and Bachelor of Science in Physical Education are conferred in the Undergraduate Division.

REQUIREMENTS

To be recommended for a degree the student must have satisfied the admission, residence, and curriculum requirements.

Normal School Graduates. Graduates of accredited two-year normal schools are granted the degree of Bachelor of Arts in Education on the completion of 72 semester hours of work, including required courses.

The requirement in Education may be satisfied by the completion of 12 semester hours of work, exclusive of the six semester hours of credit granted for successful teaching experience. The unsatisfied requirements should be determined in consultation with the Dean.

Advanced Courses. At least 30 semester hours of work must consist of courses numbered 101 or above.

Residence. A minimum of one full year, or 30 semester hours, must be completed in residence. Summer Session work may be counted in residence but in no case may the period of residence aggregate less than 30 weeks. Unless special permission has been granted by the faculty to pursue the work elsewhere, the last work before graduation must be completed in residence.

Application for Graduation. Application for graduation should be filed with the Registrar at the beginning of the first semester of the senior year.

CURRICULUM FOR DEGREE OF BACHELOR OF ARTS IN EDUCATION

General Requirements. Exclusive of the two years of approved college work prescribed for admission, the University confers the degree of Bachelor of Arts in Education on the completion of the following 66 semester hours of work:

	Semester Hours
Applied or Educational Psychology	3
Principles and Technique of Teaching	4
History of Education	3
Elementary or Secondary Education	4
Observation and Practice Teaching	6
Electives in Education	7
Subject-Matter Group	24
Electives	15
	—
	66

Subject-Matter Group. Under the guidance of a member of the faculty designated by the Dean, each student before graduation shall have completed a minimum of 24 semester hours of work in one of the following groups:

Biological Sciences	Home Economics
Classical Languages	Mathematics
English	Philosophy and Psychology
Germanic Languages	Physical Sciences
Geology, Geography, Astronomy	Romance Languages
Graphic Art	Social Sciences

CURRICULUM FOR STUDENTS MAJORING IN HOME ECONOMICS

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Education 111	3	Home Economics Education 183	3
Education 115	3	Home Economics Education 185	3
Home Economics 91	3	Home Economics Education 187-	
Home Economics Education 182	3	188	4
Home Economics 101	3	Education 151 or 152	3
Home Economics 102	3	Home Economics 151-152	6
Home Economics 121	3	Home Economics 170	3
Home Economics 142	3	Home Economics 192	3
Chemistry 51-52	6	Electives	8
Social Science	3		
	33		33

CURRICULUM FOR THE DEGREE OF BACHELOR OF SCIENCE
IN PHYSICAL EDUCATION

FOR MEN

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Education 115-116	6	Education 151-152	6
Journalism 119-120	6	Physical Education 173-174	6
Physical Education 109-110	6	Physical Education 177-178	6
Physical Education 111-112	4	Physical Education 179-180	6
Physical Education 117-118	4	Physical Education 161-162	4
Physical Education 129-130	6	Electives	6
	32		34

FOR WOMEN

THIRD YEAR	Semester Hours	FOURTH YEAR	Semester Hours
Physical Education 101-102	6	Physical Education 111-112	6
Physical Education 106	3	Education 151-152	6
Public Speaking 1	3	Physical Education 113-114	6
Physical Education 103-104	6	Physical Education 116	2
Education 115-126	6	Physical Education 117	3
Physical Education 107-108	4	Physical Education 118	3
Physical Education 109-110	6	Electives	6
	34		32

GRADUATE DIVISION

DEGREES CONFERRED

The graduate work for teaching is conducted under the direction of the Faculty of The School of Education. The degrees conferred are: Master of Arts (A.M.) and Doctor of Philosophy (Ph.D.).

ADMISSION

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college, or must have completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than 12 semester hours short of a standard baccalaureate degree, must register for the A.B. degree; others may remove their deficiencies while registered for a higher degree.

GUIDANCE

Every candidate for a higher degree is under the guidance of a committee consisting of those members of the staff with whom he takes work counting toward the degree, the professor of his major subject being chairman. It is the duty of this committee to outline the student's program of work, to approve his choice of a thesis subject, to conduct all general examinations, and to determine if he shall be recommended for the degree.

COURSES ACCEPTABLE

Courses numbered 1-100 may not be credited toward a higher degree but in certain instances such courses may be required as a basis for advanced work. Strictly graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward a higher degree when approved by the student's committee and after the completion of additional work in them has been certified by the respective instructors in charge.

THESES

Every candidate for a higher degree must present a thesis in his major subject. The thesis in final form must be typewritten on official thesis paper, obtainable at the Comptroller's office, and bound in cloth or leather. The title page must read:

(Title of Thesis)

By (Name of Candidate)

(Degrees held)

A thesis submitted to the Faculty of The School of Education of The George Washington University in part satisfaction of the requirements for the degree of (Name of degree).

(Date of convocation when degree is conferred.)

TRANSFERRED WORK

Graduate work completed in other accredited institutions of learning may be credited toward a higher degree as follows:

Toward the master's degree, not to exceed 12 semester hours.

Toward the doctor's degree, not to exceed two years.

Advanced courses completed in excess of the requirements for the baccalaureate degree in The George Washington University may be credited toward a higher degree to the extent of 12 semester hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before it is undertaken.

Transferred work completed more than three years prior to registration for a higher degree at The George Washington University will be credited only if the candidate successfully passes an examination given by his committee on the subject matter of the work offered for credit.

MASTER OF ARTS

REQUIREMENTS

Class Work. The completion of a minimum of 24 semester hours. This amount of work may be increased by the student's committee when the student's previous preparation in his chosen field of study has been meager. The choice of subjects must be approved by the student's committee and must form a coherent plan of specialization. At least six semester hours of work must be chosen from courses numbered 201 or above.

Thesis. The thesis counts as six semester hours of work toward the degree and must be duly registered for. The thesis subject must be approved in writing and recorded in the Registrar's office not later than the beginning of the semester or summer session in which the thesis is due.

The thesis in completed form must be submitted to the Dean for record at least four weeks before convocation.

Oral Examination. At least three weeks before the convocation at which the degree is to be conferred, the candidate must pass an oral examination on his thesis and major field of work before a committee of at least five members appointed by the Dean. The conclusion of this examination, signed by the members of the examining committee, must be transmitted to the Dean by the chairman of the student's committee at least two weeks before convocation.

Residence. A candidate must pass in resident study at this University at least two semesters, or one semester and one nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

DOCTOR OF PHILOSOPHY

It is the function of the work leading to the degree of Doctor of Philosophy in The School of Education to prepare students for advanced teaching, administrative and supervisory positions, and to train them in the methods

of original research. The student must acquire through his class work and individual study a broad and thorough knowledge of his specialty, and he must produce a thesis that is adjudged to be a contribution to his chosen field of learning. The formal requirements of courses and residence should be looked upon as means to these ends.

ADMISSION TO CANDIDACY

Before being admitted to candidacy for the doctor's degree the student must pass a preliminary oral and written examination before a committee of at least five members appointed by the Dean. It is the primary function of this examination to determine the student's fitness for doing original work.

REQUIREMENTS

1. *Study.* The candidate must complete successfully a series of courses, readings, and research studies laid out by his committee.

Two-thirds of this work, including the thesis, must fall in one major field; the remainder may fall in one or two minor fields.

2. *Thesis.* The candidate must present a thesis based on original research in his major field of work. This thesis in final form must be transmitted to the Dean at least six weeks before the convocation at which the degree is to be conferred. It is recommended that the thesis be published in whole or in part.

3. *Written Examination.* At least one month before the degree is to be conferred, the candidate must pass a written examination, conducted by his committee, on his major field of work.

4. *Oral Disputation.* At least three weeks before being recommended for the degree, the candidate must successfully defend his thesis as a contribution to knowledge before his committee, supplemented by at least three other members of the Faculty. This examination is open to the public and all are privileged to question the candidate.

The returns and conclusions of both the written and the oral examinations, duly signed by the members of the respective committees, must be transmitted to the Dean for record and filing at least two weeks before convocation. The candidate shall be informed of the results of the examinations by the Dean.

5. *Languages; Statistical Methods.* At least eight months before he expects to receive his degree, the candidate must satisfy the proper University authorities that he is able to use as tools of research:

- (a) French and German, or
- (b) French or German and one other foreign language, or
- (c) French or German and statistical methods.

6. *Residence.* Before being recommended for the degree, the candidate must have spent at least three years in graduate study. Time spent in study at other accredited institutions may be counted but the last year must be spent in residence at this University.

THE SCHOOL OF GOVERNMENT

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
—, *Dean of The School of Government.*

- WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*
DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*
TRUMAN MICHELSON, PH.D., *Professor of Ethnology.*
CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*
†JOHN DONALDSON, PH.D., *Professor of Political Economy.*
GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*
SAMUEL FLAGG BEMIS, PH.D., *Professor of History.*
EDWARD HENRY SEHRT, PH.D., *Professor of German.*
RICHARD NORMAN OWENS, PH.D., C.P.A., *Professor of Accounting and Business Administration.*
FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*
WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*
MARK ANSON SMITH, PH.D., *Professorial Lecturer in Economic History.*
ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*
HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
WARREN REED WEST, PH.D., *Associate Professor of Political Science.*
DUDLEY WILSON WILLARD, PH.D., *Associate Professor of Sociology.*
EDGAR A. J. JOHNSON, PH.D., *Associate Professor of Economics.*
ALVA CURTIS WILGUS, PH.D., *Associate Professor of Hispanic-American History.*
JOHN ALBERT TILLEMA, PH.D., *Assistant Professor of Political Science.*
LOWELL JOSEPH RACATZ, PH.D., *Assistant Professor of History.*
CECIL KNIGHT JONES, B.LITT., *Lecturer in Spanish American Literature.*
CHARLES ELMER RESSER, PH.D., *Lecturer on Geography.*
JOSEPH STEINHAEUSER ZUCKER, PH.D., *Lecturer on Accounting and Taxation.*
CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*
RAINARD BENTON ROBBINS, PH.D., *Lecturer on Insurance.*
FRANCIS ESTOL SIMMONS, A.M., *Lecturer in Economics.*
ARTHUR WILLIAM HUMMEL, A.M., *Lecturer on the Far East.*
WILLIAM C. JOHNSTONE, JR., PH.D., *Instructor in Political Science.*

INTRODUCTORY STATEMENT

The George Washington University School of Jurisprudence and Diplomacy existed from 1898 to 1910 when it was discontinued as a separate

*Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority.

†On sabbatical leave 1930-1931.

school. The courses were given, however, in Columbian College until in September, 1928, when training in foreign service and governmental theory and administration was re-established as a separate branch under The School of Government.

It is the purpose of The School of Government of The George Washington University to give the students an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished, not through any single course, but through a curriculum which ties together social, economic, political, historical, and psychological studies.

The courses in domestic government train in the theory of and practice in local, state, and national positions. The courses in Foreign Service train students for the many opportunities offered in the foreign fields to carry out the ideals for which America stands, not only in governmental work but in the much wider field of foreign trade as conducted by private enterprise in all parts of the world. This training fits the student especially to assist American citizens who have occasion to travel or to do business abroad, to understand their reciprocal rights and duties, and to protect them in these rights without infringing upon the rights of others; as well as to collect and report information concerning commercial conditions and opportunities abroad. The student thus gains an insight into international affairs from both the American and the foreign point of view, with a resultant broader understanding of economic and political problems.

ADMISSION REQUIREMENTS

Admission to the undergraduate division in the School is based on a Junior Certificate from The Junior College or on the evidence of the satisfactory completion of two years of approved college work. Students meeting these requirements are admitted as regular students. These requirements include certain specified courses, which are indicated in The Junior College section of this catalogue.

REGISTRATION

See page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned in The School of Government: Byron Andrews Scholarship; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Withington Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For particulars concerning application for loan funds and their administration see page 63.

REGULATIONS

Students in The School of Government are subject to the general University regulations as stated beginning on page 65.

AMOUNT OF WORK

1. Fifteen units constitute normal work. Students in good standing may be permitted by the Dean to take 16 or 17 units.

2. Students with an average of "A" or "B" may with the permission of the Dean take 18 or 19 units. No student may take more than 19 units except by special permission of the Scholarship Committee of the School.

3. For employed students, working more than 24 hours per week, nine units is normal work. Employed students in good standing desiring to take four unit courses may be permitted by the Dean to take ten units. Employed students who have maintained an average of "B" in the preceding semester may be permitted by the Dean to take 12 or 13 units.

4. A student shall not register concurrently in The School of Government and in any other school of this or another institution except with the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Advanced Standing.

GRADES

The following grades are given for undergraduate work only: A (90-100), excellent; B (80-89), good; C (70-79), average; D (60-69), passing; E (below 60), conditioned; F, failure; Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above "D" is given. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors.

SCHOLARSHIP

1. SUPERIOR SCHOLARSHIP.

Honor Roll. The names of those who make an average of "A" or "B" in any semester will be placed on an Honor Roll and published. A place on the Honor Roll does not necessarily mean that a student will receive honors upon graduation.

2. POOR SCHOLARSHIP.

a. *Probation.* A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

b. *Dismissal.* A student who receives a grade of E or F in two courses in two successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, shall be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. For the purpose of these rules a Summer Session shall be considered a semester.

Students with Limited Schedules. In case of students with limited schedules these rules shall be applied only when the student has undertaken 15 units or multiples thereof, unless he receives a grade of E or F in two courses in two successive semesters.

Courses duly dropped or graded "Incomplete" shall not be considered in any way in computing standing or eligibility under the Scholarship rules.

3. SCHOLARSHIP REQUIREMENTS FOR GRADUATION.

See "Requirements for the Degree of Bachelor of Arts," page 183.

ELIGIBILITY FOR STUDENT ACTIVITIES.

a. A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. A student may be declared ineligible to participate in any student activity by the Dean of the School when in the opinion of the Dean the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

CHANGES IN COURSE

1. A student desiring to change a course must secure the permission of the Dean.

2. A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop

courses or change his status to that of auditor, except (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

3. Changes in schedule from one section to another of the same course may be made at any time with the consent of the department chairman.

WITHDRAWAL

In case of withdrawal from the School, students should send prompt notice to the Dean. Notice to an instructor of withdrawal from his course does not effect its discontinuance. See also pages 54 and 65.

CLASSIFICATION OF STUDENTS

Students are divided into classes as follows:

Junior: a student who has earned 64 semester hours of credit.

Senior: a student who has earned 94 semester hours of credit.

HOURS OF INSTRUCTION

There are morning and afternoon sections in most courses, so that students may take work during the forenoon and early afternoon or in the periods between 5:10 and 7:00 o'clock. By taking the early morning, late afternoon and summer classes, and by extending the time of study beyond the customary four years, a student able to give only a limited amount of time to college work may complete the full course and obtain a degree.

The courses of instruction offered will be found listed in alphabetical order beginning on page 214.

THE DEGREE

On the satisfactory completion of the prescribed course of study the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

General Requirements. Candidates for degrees must satisfy the admission, residence, scholarship, physical education and curriculum requirements, including 124 semester hours of work.

Residence. At least 30 semester hours, or 24 semester hours in the combined courses, and one year in residence must be completed in The School of Government. The work of the senior year is to be done in residence. Exceptions will require the approval of the Dean. Residence may be satisfied, in whole or in part, in the Summer Session, by periods aggregating not less than thirty weeks.

Scholarship. At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A, 3 points; B, 2 points; C, 1 point; D, 0 point, for each semester hour of credit.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year, and not later than thirty days before the date of graduation.

CURRICULUM REQUIREMENTS

After the Junior College requirements,* The School of Government requires a minimum of 60 semester hours for the two senior college years for recommendation for graduation. There are six curriculum groups each leading to the degree of Bachelor of Arts, with a designation of the major field of study. They are:

- I. Government
- II. Business Administration
- III. Finance
- IV. Domestic Commerce
- V. Foreign Service
- VI. Foreign Commerce

CURRICULUM OFFERINGS FOR THE SENIOR COLLEGE YEARS

I. GOVERNMENT

Political Science: Courses 111-112 (Comparative European Governments, 6 hours); 121 (Constitutional Law, 3 hours); and either 181-182 (International Law, 6 hours) or 171-172 (International Relations, 6 hours); other courses, 9 hours.

Economics	12 hours
History	12 hours
Electives	12 hours
Total	60 hours

Recommended courses from which electives may be selected: Political Science 115 (Municipal Government of the United States, 3 hours), 116 (Political Parties, 3 hours), 124 (Legislative Organization and Control of Administration, 3 hours); Economics 123 (Public Finance, 3 hours), 124 (Federal Taxation, 3 hours), 191-192 (International Economic Relations, 6 hours), 159-160 (Commercial and Maritime Law, 6 hours); History (various courses); English (preferably courses in Composition and Literature); Sociology; Ethnology; Physical and Human Geography; Modern (Foreign) Languages; Public Speaking.

* See page 79 for Junior College requirements

II. BUSINESS ADMINISTRATION

Economics: Courses 109-110 (Commercial Geography, 6 hours); 119-120 (Money and Banking, 6 hours); 124 (Federal Taxation, 3 hours); 131-132 (Business Organization and Management, 6 hours); 137-138 (Advanced Accounting, 6 hours); 139 (Cost Accounting, 3 hours) or 143 (Theory and Problems of Accounting, 3 hours); 140 (Auditing, 3 hours); 147 (Marketing, 3 hours); 159-160 (Commercial and Maritime Law, 6 hours).

Political Science	6 hours
Electives	12 hours
Total	60 hours

III. FINANCE

Economics: Courses 109-110 (Commercial Geography, 6 hours); 119-120 (Money and Banking, 6 hours); 123 (Finance, 3 hours); 124 (Federal Taxation, 3 hours); 126 (International Banking and Exchange, 3 hours); 135 (Corporation Finance, 3 hours); 136 (Investments, 3 hours); 147 (Marketing, 3 hours); 159-160 (Commercial and Maritime Law, 6 hours).

Political Science	12 hours
Electives	12 hours
Total	60 hours

IV. DOMESTIC COMMERCE

Economics: Courses 105 (History of Commerce, 3 hours); 106 (Economic History of the United States, 3 hours); 109-110 (Commercial Geography, 6 hours); 119-120 (Money and Banking, 6 hours); 131-132 (Business Organization and Management, 6 hours); 135 (Corporation Finance, 3 hours) or 136 (Investments, 3 hours); 147 (Marketing, 3 hours); 191-192 (International Economic Relations, 6 hours).

Political Science	12 hours
Electives	12 hours
Total	60 hours

V. FOREIGN SERVICE

Political Science: Courses 111-112 (Comparative European Governments, 6 hours) or 171-172 (International Relations, 6 hours); 181-182 (International Law, 6 hours); 191 (Near East, 3 hours) or 192 (Far East, 3 hours); 194 (Latin America, 3 hours); and 3 additional hours.

Economics: Courses 109-110 (Commercial Geography, 6 hours); 159-160 (Commercial and Maritime Law, 6 hours); 191-192 (International Economic Relations, 6 hours); and 3 additional hours.

History: Six hours of courses to be selected from 105-106 (History of the Foreign Relations of the United States, 6 hours), 141-142 (History of Modern Colonization, 6 hours), and 143 (Modern Imperialism, 3 hours).

Electives	12 hours
Total	60 hours

Every student must also possess a reading knowledge of a modern language and he must file with the Registrar a certificate of that fact given by one of the modern language departments.

Examinations in modern languages will be given between October 15 and November 1, and April 15 and May 1. Students should consult the Executive Officer of the department concerned.

Electives recommended: Economics 105 (History of Commerce, 3 hours), 106 (Economic History of the United States, 3 hours), 126 (International Banking and Exchange, 3 hours); Political Science 191 (The Near East, 3 hours); courses in Ethnology, Sociology, Physical and Human Geography, Public Speaking.

The following courses offered by The Law School may be taken as electives by students who have had at least two years of law in an approved law school: Administrative Law, Conflict of Laws, Municipal Corporations.

If a student is a graduate of an approved law school he may elect the course in Roman Law.

VI. FOREIGN COMMERCE

Economics: Courses 105 (History of Commerce, 3 hours); 106 (Economic History of the United States, 3 hours); 109-110 (Commercial Geography, 6 hours); 119-120 (Money and Banking, 6 hours); 126 (International Banking and Exchange, 3 hours); 150 (Importing and Exporting, 3 hours); 159-160 (Commercial and Maritime Law, 6 hours); 191-192 (International Economic Relations, 6 hours).

Political Science: Courses 181-182 (International Law, 6 hours), and 6 hours selected from 171-172 (International Relations, 6 hours), 191 (Near East, 3 hours), 192 (Far East, 3 hours), 194 (Latin America, 3 hours).

Electives	12 hours
Total	60 hours

Every student must also possess a reading knowledge of a modern language and he must file with the Registrar a certificate of that fact given by one of the modern language departments.

Examinations in modern languages will be given between October 15 and November 1, and April 15 and May 1. Students should consult the Executive Officer of the department concerned.

INFORMATION ON CERTAIN BRANCHES OF GOVERNMENTAL FOREIGN SERVICE

DEPARTMENT OF STATE

An act of Congress of May 24, 1924, provides for the reorganization of the Foreign Service, and consolidates the Consular and Diplomatic services so far as status of personnel and requirements for entrance are concerned. A bulletin entitled "American Foreign Service" reads, in part, as follows:

"Scope of Examination: The examination will be in two parts, one written and the other oral, each part counting equally. The written examination will include the subjects prescribed by the President, to wit: Modern languages (French, Spanish, or German is required, and a candidate may offer, in the oral test, in addition to one of these any languages with which he may be familiar); elements of international, commercial, and maritime law; political and commercial geography; the natural, industrial, and commercial resources and commerce of the United States with especial relation to the possibilities of trade expansion and protection; American history, government and institutions; the history since 1850 of Europe, Latin America, and the Far East, with particular attention to political and economic tendencies; and the elements of political economy. Candidates will be examined in arithmetic as used in commercial statistics, tariff calculations, exchange and simple accounting, and they will be rated in English, composition, grammar, punctuation, spelling, and penmanship as shown by their replies to questions in the written examination.

"The oral examination will be designed to ascertain the physical, mental, and temperamental qualifications of candidates for the proper performance of the duties of the Foreign Service; their character, ability, address, judgment, and fitness, general education and culture, and contemporary information, experience and business ability."

FOREIGN SERVICE—DEPARTMENT OF COMMERCE

Qualification Standards for Field Service.

A bulletin entitled "Appointments to Positions at Home and Abroad in the Bureau of Foreign and Domestic Commerce," with reference to "Qualification Standards," reads, in part, as follows:

"The following qualifications are stated very broadly; several of them pertain particularly to applicants for foreign service. If the fact be kept in mind that there are two classes of field service—foreign and domestic—the reader will have little difficulty in determining to which of these classes any particular statement applies.

Aside from a good address and appearance, some of the principal requirements may be enumerated as follows:

(a) A thorough knowledge of the principles of economics, banking, commercial geography, and foreign trade.

(b) A thorough knowledge of international trade movements and practice.

(c) A general knowledge of export trade technique.

(d) A thorough reading and speaking knowledge of at least one foreign language of commercial importance.

(e) Residence or travel abroad is highly desirable.

(f) Experience in some business undertaking which gives a broad view of trade development and intimate knowledge of business practices.

(g) Ability to address public gatherings.

(h) Ability to write good, businesslike reports.

(i) A knowledge of the resources of the United States and familiarity with industrial development of the country in relation to both domestic and export trade."

MASTER'S WORK

DEGREES CONFERRED

The master's work is conducted under the direction of the Faculty of The School of Government. The degree conferred is Master of Arts (A.M.) with a designation of the major field of study.

ADMISSION

To be admitted to standing for third-year work in the School a candidate must have been granted a baccalaureate degree by an accredited school or college, or he must have completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than 12 semester hours short of a standard baccalaureate degree, must register for the A.B. degree; others may remove their deficiencies while registered for a higher degree.

GUIDANCE

Every candidate for a higher degree is under the guidance of a committee consisting of those members of the staff with whom he takes, or expects to take, work counting toward the degree, the professor of his major subject being chairman. It is the duty of this committee to outline the student's program of work, to approve his choice of a thesis subject, to conduct all general examinations, and to determine if he shall be recommended for the degree.

COURSES ACCEPTABLE

Work credited toward a higher degree must be chosen from courses numbered 101 and above. Strictly graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward a higher degree only when approved by the student's committee and after the completion of additional work in them has been certified by the respective instructors in charge.

STUDENTS IN ATTENDANCE

Properly qualified students may be admitted as *Students in Attendance*, without becoming candidates for degrees.

REGISTRATION

Before registering, a candidate for a degree must secure the written approval of his choice of subjects from his major department and the Dean.

For the statement of registration procedure see page 49.

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

REQUIREMENTS FOR DEGREES

MASTER OF ARTS

To attain the degree of Master of Arts candidates must complete successfully 24 semester hours of work, in addition to the thesis, forming a consistent plan of study.

- a. Courses will be selected with the adviser.
- b. At least 12 semester hours, plus the thesis, must be in the major subject.
- c. At least 12 semester hours must be taken in The School of Government, irrespective of the amount transferred from other institutions.
- d. Part of the work for the Master's degree may be taken in The School of Medicine or The Law School, but work so taken cannot be counted both towards the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may take not more than 12 semester hours in The School of Medicine or The Law School, but the major subject must be taken under a member of the Faculty of a non-professional school.
- e. The minimum amount in any one subject (not course) that will be counted toward the Master's degree is six semester hours.
- f. The course of study for the Master's degree must include Third Section courses (numbered above 200), which must count at least 12 semester hours unless the major department gives written permission to count less than 12.

ADVANCED STANDING

Advanced work in other institutions of learning may be credited toward the Master's degree in this University, to the extent of not more than 12 semester hours. Work completed here, or elsewhere, more than three years prior to the registration for a higher degree here, will be counted towards such a degree only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

Advanced courses taken in the senior year of the college may be counted to the extent of not over 12 semester hours towards a higher degree, provided that the student shall notify the Dean of The School of Government at the beginning of each such course of his desire to count it towards a higher degree; but no work counted towards a Bachelor's degree shall be counted towards a higher degree.

RESIDENCE

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each or four summer terms of six weeks each. Students who plan to complete their work for the Master's degree in the minimum time, should consult the Dean well in advance of registering. No credit shall be granted for work done in absentia, i.e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

THESIS

A candidate for a Master's degree must present a thesis in his major subject. The thesis, which counts six semester hours towards the degree and is charged for at the same rate as courses, must be registered for by the candidate by the beginning of his final year. The choice of the thesis subject must be approved in writing by the professor in charge of the major, and recorded at the Registrar's Office no later than the close of the registration period immediately preceding the term in which the degree is to be conferred. The student is expected to consult the professor in charge frequently in regard to the progress of work on the thesis. The thesis in its final form must have the approval of the professor in order to count towards the degree. Attention is called to "Regulations Regarding Theses" on page 110.

THE DIVISION OF LIBRARY SCIENCE

THE FACULTY

- CLOYD HECK MARVIN, Ph.D., LL.D., *President of the University.*
ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science,*
Director of the Division of Library Science.
GEORGE FRANKLIN BOWERMAN, A.B., B.L.S., L.H.D., *Professorial Lecturer*
in Library Science.
ELIZABETH A. LATHROP, A.B., *Assistant Professor of Library Science.*
CLARIBEL RUTH BARNETT, Ph.B., B.L.S., *Lecturer in Library Science.*
CLARA WELLS HERBERT, *Lecturer in Library Science.*
ELIZABETH ORLAN CULLEN, M.S., *Lecturer in Library Science.*
MIRIAM UHLER CHISHOLM, A.B., *Associate in Library Science.*

ADMISSION

Requirements. The Certificate of Junior Standing from The Junior College or its equivalent will be accepted for admission to The Division of Library Science. It is recommended that students expecting to enter the division should have at least two years of either French or German, courses in general psychology and principles of sociology, and a knowledge of type-writing.

Careful consideration will be given to the aptitude and personal qualifications for library work of all applicants. In general, an applicant over thirty-five years of age is not encouraged to enter training for service in public libraries.

Advanced Standing. Advanced standing will be allowed for courses taken in accredited colleges. Library experience will not be credited toward graduation. However, students with professional experience may be released from the practice work required in connection with class-room instruction.

Special Students. Persons not candidates for degrees may do the work as special students. Such students must be at least 21 years of age and must satisfy the department of their fitness to undertake the course.

For further regulations regarding admission and filing of credentials, and description of the prescribed studies, see page 43.

See page 49.

REGISTRATION

FEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned to students in The Division of Library Science.

Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship; John Withington Scholarship.

Prizes. See page 58.

Loan Funds. For information concerning the application for loan funds and their administration, see page 63.

DEGREE AND COURSE

The courses in Library Science are designed to give students professional training that will prepare them to enter upon active library service. A two-year upper division curriculum, in combination with the required Junior College work, leads to the degree of Bachelor of Arts in Library Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS
IN LIBRARY SCIENCE

General Requirements. To be recommended for a degree the candidate must have obtained the certificate of junior standing and satisfied the residence and the curriculum requirements of the Division, which include 60 semester hours of work.

Residence. Of the 124 semester hours in the Junior and Senior Colleges required for graduation, at least 30 must be taken in The Division of Library Science. Residence may be satisfied in the Summer Session by periods aggregating not less than 30 weeks.

Scholarship. Two-thirds of the total number of semester hours of work required for graduation must be passed with a grade of "C" or higher.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULUM REQUIREMENTS

The curriculum is planned for students electing Library Science as a major. A librarian must have, in addition to executive training, scholarly attainments based on deep cultural interests and sympathies. He should be trained in the modern languages, and in history, sociology, literature, and science. The curriculum as outlined combines these features with the technical subjects.

CURRICULUM REGULATIONS

1. Seniors of high scholastic record as well as college graduates satisfying the language and other curriculum requirements, may complete the

course in one year and receive the degree of Bachelor of Arts in Library Science.

2. *Basic Courses.* In the technical phase of Library Science, cataloguing and classification go together and precede all other courses, as they are involved in all other branches of library work.

3. *Major Subjects.* In addition to the major in Library Science, it is recommended that students choose as electives courses in some one field of study which shall constitute a secondary major.

4. *Required Courses.* A reading knowledge of French and German is required. In very special cases, however, some other language may be substituted for either, but not for both.

5. *Elective Courses.* When choice is indicated in the curriculum, the selection depends on the student's previous course of study, or his special preference. If a student presents satisfactory credit for a required course, an elective, subject to the approval of the Director, may be substituted.

JUNIOR YEAR

	Semester Hours
Library Science 101-102	6
Library Science 121-122	6
Library Science 131-132	6
Sociology 111-112 or Education	6
Electives	6
Total	30

SENIOR YEAR

	Semester Hours
Library Science 133 or 135	3
Library Science 136	3
Library Science 169-170 (Adult Education)	6
Language or Literature (Second section courses)	6
Anthropology, Evolution or Advanced Science	6
Electives	6
Total	30

COURSES OF INSTRUCTION

Equal time units in both practice and experience in the University Library go with the periods of class-room instruction and discussion, and constitute integral parts of the course.

Practice. Students who have had adequate library experience will be released from this requirement. A limited number of students, who have the

qualifications and personality necessary for that service, will gain their experience in the Public Library of the District of Columbia; and a few others in special libraries, both governmental and institutional.

The graduate courses will be conducted with the cooperation of the Committee on Library Training of the District of Columbia Library Association, in part, at the Library of Congress under the immediate supervision of the Consultant in Bibliography and Research; in part, at the Public Library under the supervision of the Librarian; and in part, at several of the great special libraries in Washington under the direction of the Committee itself. Students will enjoy the advantage not only of becoming familiar with the administration and distinguishing characteristics of some of the most highly specialized libraries in America, but also of expert guidance and personal contact with outstanding men and women of the library profession.

Courses Offered. The courses of instruction offered will be found listed in alphabetical order beginning on page 214.

REGULATIONS

Students in the Division of Library Science are subject to the general University regulations, statement of which will be found beginning on page 65.

AMOUNT OF WORK

The normal program of studies for full-time students is indicated under "Curriculum Requirements." Nine hours a week, not including Physical Education, constitute a normal program of work for students with limited schedules.

GRADES

The following grades are given: A, excellent; B, good; C, average; D, passing; E, conditioned (not passing); F, failure; and Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given.

Grades stand on the records as reported by the instructors. Except in the cases of courses reported "incomplete" and conditions, no grades can be changed.

SCHOLARSHIP

At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A—3 points, B—2 points, C—1 point, D—0 points for each semester hour of credit.

SUPERIOR SCHOLARSHIP.

Honor Roll. The names of those who make an average of "A" or "B" in any semester will be placed on an Honor Roll and published. A place

on the Honor Roll does not necessarily mean that a student will receive honors upon graduation.

POOR SCHOLARSHIP.

Probation. A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

Dismissal. A student who receives a grade of E or F in two courses in two successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. For the purpose of these rules a Summer Session will be considered a semester.

Students dropped twice for poor scholarship will not be readmitted.

Students with Limited Schedules. In the case of students with limited schedules these rules will be applied when the student has undertaken fifteen units or multiples thereof, unless he receives a grade of E or F in two courses in two successive semesters.

Courses duly dropped or graded "Incomplete" and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

ELIGIBILITY FOR PARTICIPATION IN STUDENT ACTIVITIES.

While on probation a student shall not represent the University on its athletic teams or in any other intercollegiate activities, nor shall he serve as an officer or member of a committee in any class or student organization.

SCHOLARSHIP REQUIREMENTS FOR GRADUATION.

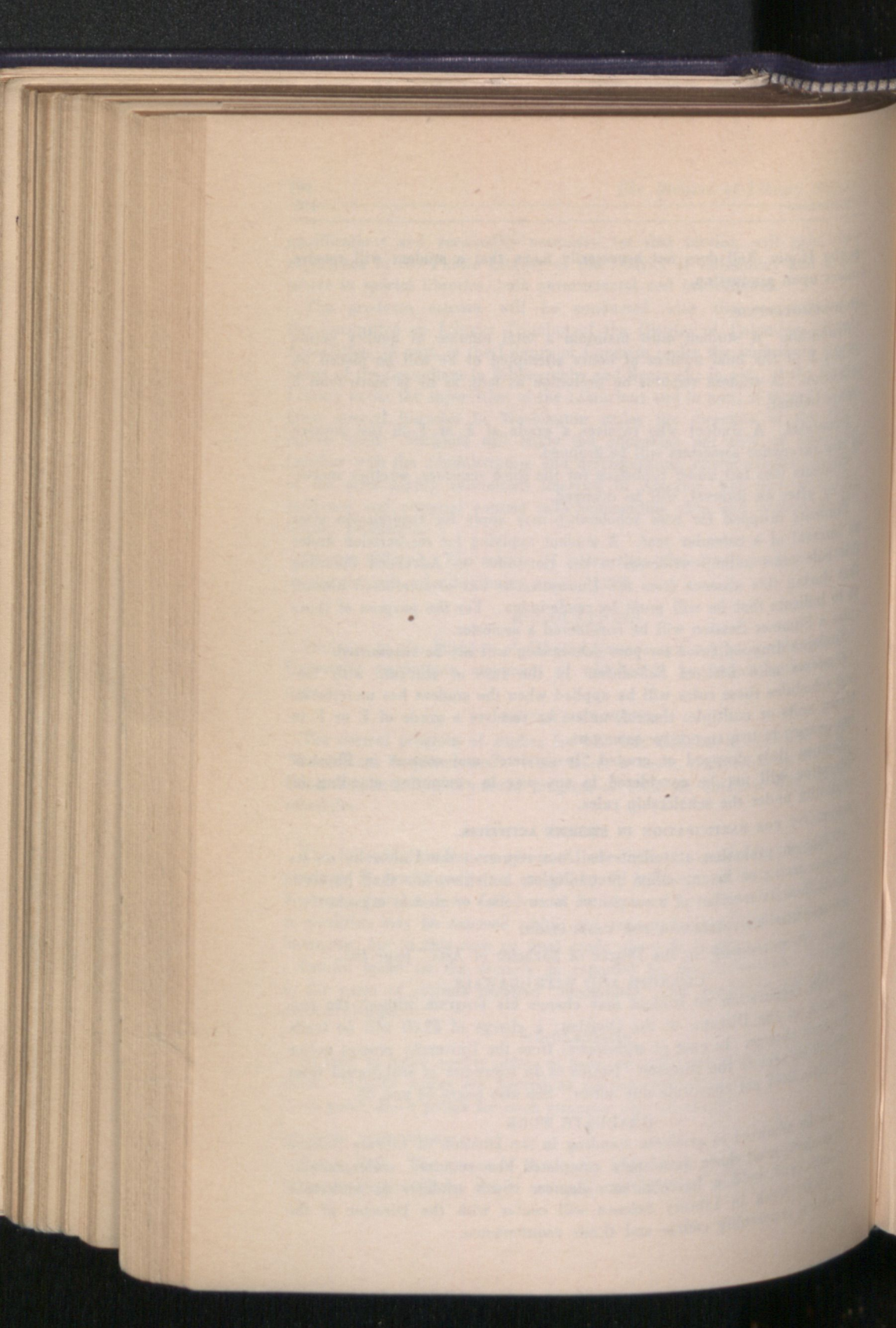
See "Requirements for the Degree of Bachelor of Arts," page 192.

CHANGES AND WITHDRAWALS

After registration no student may change his program without the permission of the Director of the Division; a charge of \$2.00 will be made for each change. In case of withdrawal from the University prompt notice should be sent to the Director. Notice to an instructor of withdrawal from his class does not constitute due notice. See also pages 54 and 65.

GRADUATE WORK

To be admitted to graduate standing in the Division of Library Science a student must have previously completed the required undergraduate courses and hold a baccalaureate degree. Such students as undertake graduate work in Library Science will confer with the Director of the Division concerning course and thesis requirements.



THE DIVISION OF FINE ARTS

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
NORRIS INGERSOLL CRANDALL, M.Arch., *Professor of Architecture, Director of the Division of Fine Arts.*

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*
ALBERT LEWIS HARRIS, B.S. in Arch., *Professorial Lecturer in Architecture.*
DELOS HAMILTON SMITH, M.S. in Arch., *Professorial Lecturer in Architecture.*

SAMUEL BURTIS BAKER, *Professorial Lecturer and Critic.*
_____, *Assistant Professor of Architecture.*

GEORGE RICHARD ROBERTS, A.M., LL.B., C.E., *Lecturer in Architecture.*
EUGEN WEISZ, *Lecturer and Critic in Graphic Art.*

ETHEL BRAY, Ph.B., A.M., *Lecturer in Graphic Art.*

DONALD CHENOWETH KLINE, B.Arch., *Instructor in Architecture.*

ALBERT NELSON DAVIS, *Associate in Graphic Art.*

GENERAL STATEMENT

OBJECTIVE

The purpose of the Department of Architecture is to give the student a knowledge of, and make him proficient in, the fundamental work involved in the practice of the professional architect. The creative work is by all means the most important and to this end the training in expression and design in the different Graphic Arts is especially stressed. The other work necessary for the complete academic preparation of the student to practice as a professional architect complements the creative work.

The purpose of the course in the Graphic Arts is to give the student a fundamental training in the Graphic Arts combined with the general training required for the completion of the college course. The student is prepared to specialize after completing this work.

SPECIAL EQUIPMENT

Library. The library contains about 2,000 volumes including most of the standard works on architecture, sculpture and painting; the Russell Sturgis collection of 7,500 carefully selected photographs of architecture, sculpture and painting; and the important architectural and art periodicals. The library rooms are adjacent to the drafting rooms.

The general library is also available to the students of this division.

The Library of Congress, one of the most complete collections in this country, is also available to the student. Books may be borrowed for use in the library of the Division.

* Arranged, with the exception of the President and the Director, in the order of collegiate seniority.

Art Collections. The National Gallery of Art, housed in the National Museum, the Freer Gallery of Art, and the Corcoran Gallery of Art, as well as the extensive collection of prints in the Library of Congress are all available to the student.

ADMISSION REQUIREMENTS

Candidates for admission to the Freshman Class are required to present 15 units of accredited secondary school work as follows:

I For the Architecture Course:

English, three units; Foreign Language, preferably French, two units; Physics, one unit; Chemistry, one unit; Plane and Solid Geometry, one and one-half units; Elementary and Advanced Algebra, two units; Plane Trigonometry, one-half unit; Electives, four units.

II For the Course in Graphic Art:

English, three units; Foreign Language, two units (both in the same language); Algebra, one unit; Plane Geometry, one unit; Electives, eight units.

III For Graduate Work:

See Admission Requirements, page 201.

IV Special Students and Auditors:

(a) Practical or mature experience in Architecture or Art Work will be required for admission as special students.

(b) The Director may accept some students of mature experience as auditors who do not have the entrance requirements. No University credit will be given for any course at any time taken as an Auditor.

V Advanced Standing:

Advanced credit from Art and Architecture schools, not affiliated with an accredited college or University, may be established by registering in more advanced work of the same type for which credit is desired. If the work is satisfactory, the credit will be transferred from the institution at which previous training was received. Practical experience alone will not be accepted for advanced credit.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 43.

REGISTRATION

All schedules must be approved by the Director of the Division. For information regarding registration procedure, see page 49.

FEEES AND FINANCIAL REGULATIONS

See pages 50-54.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships. The following scholarships may be assigned to students in The Division of Fine Arts:

Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship; John Withington Scholarship.

For particulars of application and award, see page 55.

Prizes. See page 58.

Loan Funds. For information concerning application for loan funds and the administering of the same, see page 63.

DEGREES AND COURSES

The Division of Fine Arts is composed of:

Department of Architecture, which offers a four-year professional course leading to the degree of Bachelor of Architecture.

Department of Graphic Art, which offers courses in which the student may earn the degree of Bachelor of Arts with a major in Art.

Graduate work is offered in both departments leading to the degree of Master of Fine Arts.

REQUIREMENTS FOR DEGREES

UNDERGRADUATE WORK

Requirements. To be recommended for a degree the candidate must have satisfied the admission, residence, physical education, and scholarship requirements and have completed the course of study prescribed. For the degree of Bachelor of Architecture, 140 semester hours of credit are required. For the degree of Bachelor of Arts, 124 semester hours of credit are required.

Residence. Of the total number of semester hours work required for the degree of Bachelor of Architecture, 36 must be completed in The Division of Fine Arts; of the work required for the degree of Bachelor of Arts, 30 must be completed in The Division of Fine Arts.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students in the Department of Graphic Art taking three or more courses.

Scholarship. A "C" average in values is required for graduation.

Honors. At the beginning of each semester, a list will be posted of all students who have received an average of "B" in values or higher in all work taken in the semester immediately preceding. This will be called the Honor Roll. In order to take more work than is prescribed in the

regular curriculums, the student's name must be on the Honor Roll of the preceding semester.

The name of any student who receives an average of "B" in values or higher in all work attempted by him in pursuance of the degree will be considered by the faculty for graduation "With Distinction".

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULUM REQUIREMENTS

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
Architecture 1-2	2	Architecture 23-24	2
Architecture 4	2	Architecture 27-28	8
Architecture 5-6	4	Graphic Art 3-4	4
Architecture 11-12	4	Graphic Art 21-22	4
Architecture 13-14	2	Civil Engineering 43-44	6
Architecture 21-22	2	English 1-2	6
Architecture 25-26	5	Methematics 15-16	6
Graphic Art 1-2	4		—
Graphic Art 5-6	2		36
Mechanical Engineering 5	3		
French	6		
	—		
	36		

JUNIOR YEAR	Semester Hours	SENIOR YEAR	Semester Hours
Architecture 111-112	4	Architecture 127-128	12
Architecture 125-126	12	Architecture 141-142	4
Architecture 131-132	6	Architecture 143-144	2
Architecture 133-134	4	Architecture 145-146	4
Graphic Art 101-102	4	Graphic Art 111-112	6
Graphic Art 105	2	Economics 1-2	4
Graphic Art 122	2	Elective	—
	—		34
	34		
Total			140

COURSE IN GRAPHIC ART LEADING TO THE DEGREE OF
BACHELOR OF ARTS

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
English 1-2	6	English 51-52 or 91-92	6
Foreign Language	6	Foreign Language	6
History 21-22	6	History 35-36	6
Mathematics or Natural Science	6	Architecture 13-14	2
Graphic Art 1-2	4	Architecture 21-22	2
Graphic Art 5-6	2	Graphic Art 3-4	4
Physical Education	2	Graphic Art 21-22	4
		Physical Education	2
	32		32

JUNIOR AND SENIOR YEARS

The work of the junior and senior years is elective subject to the following restrictions:

1. All programs must be approved by the Director.
2. The following courses must be included:
Architecture 11-12, 111-112
Graphic Art 101-102, 103-104, 105, 111-112, 122
3. Not less than 30 semester hours of the 124 required for graduation must be taken in second and third section courses (numbered above 100).

MASTER OF FINE ARTS DEGREE

Graduate work in the Fine Arts is conducted under the direction of the Faculty of The Division of Fine Arts. The degree conferred is: Master of Fine Arts (M.F.A.).

ADMISSION

To be admitted to candidacy for the Master of Fine Arts degree a student must usually present a Bachelor's degree from an accredited institution. Students from unaccredited institutions may be admitted, at the discretion of the faculty, if recommended by the major department. Such students shall complete one semester's work in The Division of Fine Arts and receive the recommendation of the major department before registering for the degree.

Students in Attendance. Properly qualified students may be admitted as "Students in Attendance" without becoming candidates for degrees.

Registration. Before registering, a candidate must secure the written approval of his choice of subjects from his major department and from the Director of The Division of Fine Arts.

GENERAL REQUIREMENTS

Amount of Work. To receive the degree of Master of Fine Arts, candidates must complete successfully 24 semester hours of work, in addition to the thesis, forming a consistent plan of study and subject to the following limitations:

(a) Courses may be elected from one, two, or three departments of the University.

(b) At least 12 semester hours, plus the thesis, must be in the major subject.

(c) At least 12 semester hours must be taken in this University.

(d) The minimum amount of work in any one subject (not course) is six hours.

(e) At least 6 semester hours of Third Section courses must be included in the course of study.

The Major. The major chosen for the Master's degree must be in the same work as that of the Bachelor's degree.

Residence. A candidate must pass in residence and study at this University at least two semesters, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each, or four summer terms of six weeks each. No credit will be granted for work done in absentia except for the thesis which may be completed in absentia with the permission of the department concerned.

Scholarship. Twelve semester hours must be of at least "B" grade and the remainder of at least "C" grade.

Thesis. Each candidate for the Master of Fine Arts degree must present a thesis in his major subject and must register for it at the beginning of his final year. It will be equivalent to 6 semester hours credit. The choice of the thesis must be approved in writing by the professor in charge of the major and must be recorded in the offices of the Director of the Division and of the Registrar. If any portion of the thesis is presented in written form, it must conform to the following specifications: It must be typewritten or printed on official thesis paper and bound. The title page must read, (Title) by (name of candidate), a thesis submitted to the Faculty of The Division of Fine Arts of The George Washington University in part satisfaction of the requirements for the degree of Master of Fine Arts. (Date.) The completed thesis must be presented to the Director of The Division of Fine Arts on or before the dates announced in the University Calendar. Accepted theses, with their accompanying drawings, are the property of the University.

Oral Examination. At least three weeks before the convocation at which the degree is expected, the candidate must pass an oral examination on his thesis and major field of work before a committee of at least five members

appointed by the Director. The judgment of this committee must be written and signed by each member and transmitted to the Director at least two weeks before the stated convocation.

COURSES OF INSTRUCTION

The courses of instruction offered will be found listed in alphabetical order beginning on page 214.

REGULATIONS

Students in The Division of Fine Arts are subject to the general University regulations as stated beginning on page 65.

AMOUNT OF WORK

The normal program of studies for full-time students is indicated in the statement of curriculum requirements. Students with limited schedules will take a proportionately longer time to complete the courses.

GRADES

All drawing room courses (see courses listed under Drawing Room Fees, page —) are given the following grades:

Except in Architecture 1, 2, 4, 141 and 142 in which each problem and examination receive a stated number of points credit, points for each credit week are awarded at the end of each problem period as follows: AA—10; A—9; B—8; C—7; D—6; E—5; F—4 or less.

Advancement is made when the student receives 100 points. Points have the following values: A—4; B—3; C—2; D—1; E, F—0. The following University grades are given on values received: D—100-149; C—150-249; B—250-349; A—350-400.

The following grades are given in all other courses: A—90-100; B—80-89; C—70-79; D—60-69; E, conditioned; F, failed; Inc., incomplete.

"Incomplete" is a temporary grade which may be removed by meeting the conditions set by the instructor when the grade is reported. An "E" may be changed to a "D" within one year by meeting the conditions set by the instructor. In order to obtain credit for a course in which the grade "F" is received, the course must be repeated.

SCHOLARSHIP REGULATIONS

1. *Graduation Requirement.* See "Requirements for Degrees," page 199.
2. A student taking 12 semester hours or more whose scholarship is below a "D" average in values during any one semester, shall be subject to be dropped. A student taking less than 12 semester hours whose scholarship is below a "D" average in values during any two successive semesters, shall be subject to be dropped.
3. A student whose scholarship is below a "C" average in values shall be placed on probation. A student shall be taken off probation after he has

attained a "C" average or higher in values. A student who has been on probation for two successive semesters shall be subject to be dropped.

4. After an interval of one semester a student who has been dropped may apply for readmission.

5. A student who has been dropped twice for poor scholarship will not be readmitted.

6. *Eligibility for Student Activities:*

(a) A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

(b) A student may be declared ineligible to participate in any student activity by the Director.

ATTENDANCE

Regular attendance is required in all classes and at all criticism periods. Irregular attendance may cause the work of any student to be rejected. All drawing room work must be done in the drawing rooms of the University.

CHANGES AND WITHDRAWALS

After registration changes in program may be made only with the permission of the Director of the Division, and a charge of \$2.00 is made for each change. In case of withdrawal from the University prompt notice should be sent to the Director. Notice to an instructor of withdrawal from his course does not affect its discontinuance. See also pages 54 and 65.

CLASSIFICATION AND ADVANCEMENT

Students are classified as freshmen, sophomores, juniors and seniors. Advancement from class to class takes place when the students have completed the work assigned to the various years. (See "Curriculum Requirements.")

CONDUCT

Any student whose character or conduct is deemed harmful to the Division is subject to dismissal at any time from any course or from the University, whatever his scholarship record may be. Suspension for misconduct forfeits the right to compete for the school awards and the rebate of tuition paid for the current term.

LIBRARY BOOKS

Students are held responsible for any books removed from the Library and will be required to pay for loss, mutilation or damage done.

THE SUMMER SESSIONS

1930

THE FACULTY

CLOYD HECK MARVIN, Ph.D., LL.D.	President of the University
ROBERT WHITNEY BOLWELL, Ph.D.	Director of the Summer Sessions
WILLIAM ALLEN WILBUR, A.M., Litt.D.	Professor of English
ALFRED FRANCIS WILLIAM SCHMIDT, A.M.	Professor of Library Science
EDWARD ELLIOTT RICHARDSON, M.D., Ph.D.	Professor of Philosophy
RAY SMITH BASSLER, Ph.D.	Professor of Geology
JOHN RAYMOND LAPHAM, M.S. in C.E.	Professor of Civil Engineering
OWEN BERT FRENCH, C.E.	Professor of Civil Engineering
HENRY GRATTAN DOYLE, A.M.	Professor of Romance Languages
CHARLES SAGER COLLIER, A.B., LL.B.	Professor of Law
HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D.	Professor of Law
JOHN DONALDSON, Ph.D.	Professor of Political Economy
EARL CASPAR ARNOLD, A.B., LL.B.	Professor of Law
WALTER LEWIS MOLL, A.B., LL.B., S.J.D.	Professor of Law
NORRIS INGERSOLL CRANDALL, M.Arch.	Professor of Architecture
RICHARD NORMAN OWENS, C.P.A., Ph.D.,	Professor of Accounting and Business Administration
ROBERT WHITNEY BOLWELL, Ph.D.	Professor of American Literature
WALTER LYNN CHENEY, Ph.D.	Professor of Physics
FRED AUGUST MOSS, Ph.D., M.D.	Professor of Psychology
JAMES HENRY TAYLOR, Ph.D.	Professor of Mathematics
WILLARD HAYES YEAGER, A.M.	Professor of Public Speaking
WILLIAM CULLEN FRENCH, Ph.D.	Professor of Education
TENJES HENRY SCHUTTE, Ph.D., Woman's College of Alabama,	Visiting Professor of Education
EHRLICH EDWARD SMITH, A.M., Randolph Macon College,	Visiting Professor of Education
CARL CRUMBIE WHEATON, A.B., LL.B., St. Louis University Law School,	Visiting Professor of Law
JOSEPH KIRK FOLSOM, Ph.D., Sweetbriar College,	Visiting Professor of Sociology
HAROLD GRIFFITH SUTTON, M.S.	Associate Professor of Economics
J. ORIN POWERS, Ph.D.	Associate Professor of Education
WILLIAM ARMSTRONG HUNTER, A.B., LL.M.	Associate Professor of Law
MERLE IRVING PROTZMAN, A.M.,	Associate Professor of Romance Languages
RALPH BAXTER FOSTER, A.M.	Assistant Professor of Romance Languages
ALAN THOMAS DEIBERT, A.M.	Assistant Professor of Romance Languages
JOHN ALBERT TILLEMA, Ph.D., LL.B.,	Assistant Professor of Political Science
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D.	Associate Professor of Law

LOWELL JOSEPH RAGATZ, Ph.D.	Assistant Professor of History
CORTLAND DARKE BAKER, A.M.	Assistant Professor of English
WILLIAM STULL HOLT, Ph.D.	Assistant Professor of Political Science
EDGAR WILLIAM WOOLARD, Ph.D.	Assistant Professor of Mathematics
CARVILLE DICKINSON BENSON, A.B., LL.B., S.J.D.,	Assistant Professor of Law
A. CURTIS WILCUS, Ph.D., University of South Carolina,	Visiting Assistant Professor of History
RAYMOND JOHN SEEGER, Ph.D., Presbyterian College,	Visiting Assistant Professor of Physics
KATHERINE TAIT OMWAKE, Ph.D.	Lecturer in Psychology
PAUL WILLIAM BOWMAN, A.M.	Instructor in Botany
BENJAMIN DOUGLASS VAN EVERA, M.S.	Instructor in Chemistry
JOHN RUSSELL MASON, A.M.	Assistant Librarian
DONALD CHENOWETH KLINE, B.Arch.	Instructor in Architecture
THELMA HUNT, Ph.D.	Instructor in Psychology
MARY QUICK BOWMAN, A.M.	Instructor in Zoology
ERNEST SEWALL SHEPARD, A.M.	Instructor in English
JOHN RUNYON LARGE, M.S.	Instructor in Botany
CAREY BIRDSONG JACKSON, M.S.	Instructor in Chemistry
PAUL EUGENE GROPP, A.M.	Instructor in German
WESLEY T. CRAVEN, Ph.D., New York University,	Visiting Instructor in History
PAUL SWAIN HAVENS, Litt.B., Princeton University,	Visiting Instructor in English
BERNICE RANDALL ANGELICO, A.B.	Instructor in Music
WILLIAM THOMAS MCCLOSKEY, A.B.	Associate in Zoology
EUGEN WEISZ	Associate in Graphic Art
ELIZABETH PARKER, A.B.	Associate in Zoology
MIRIAM UHLER CHISHOLM, A.B.	Associate in Library Science
ALDEN HAYES EMERY, A.M.	Associate in Geology

ASSISTANTS IN INSTRUCTION

JAMES LEWIS MONEYWAY, A.M.	Assistant in English
JAMES WHITLEY SUBER, B.S.	Fellow in Chemistry

GENERAL STATEMENT

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses given during the regular session. Courses are offered in Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineering, The School of Education, The School of Government, The Division of Library Science, and The Division of Fine Arts.

The Summer Sessions offer to students an opportunity to continue University work during the summer period. For teachers and librarians a wide range of professional courses is available.

ADMISSION

See page 43.

REGISTRATION

Registration period for the Summer Sessions:

Students in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts, will register in Corcoran Hall, 725 21st Street N.W. The time for registration is as follows: from 8 a. m. to 12 and from 2 to 6 p. m., June 13 and 14 for the nine-weeks term, and June 27 and 28 for the six-weeks term.

Registration for credit in any classes offered by Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, or the Division of Fine Arts, closes on the third day after the class has started, and no change in program will be permitted after that time. For registration procedure in the Law School consult the announcement of the School, page 13.

The Summer Sessions constitute a regular short term of the University. Students dropped or suspended from any department of the University for any reason may not register in the Summer Sessions during the period of suspension.

FEEES AND EXPENSES

All fees are payable at the office of the Comptroller, 2033 G Street N.W.

A statement of the fees and regulations in the Law School will be found in the announcement of the school on page 14. The fees and regulations in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts are as follows:

Tuition Fee for each semester-hour of work taken	\$7.00
University Fee	3.00
Late Registration Fee	5.00
Reinstatement Fee	4.00
Laboratory Fees:	
Architecture 1-2, 4, 25, 26, 27, 28, 125, 126, 127, 128, 141, 142	\$4.00
Botany 1 and 2, each	5.00

Chemistry 5 and 6, each	\$8.00
Chemistry 35, 36, 41, 42, 135, 136, 145, 146, 297, and 298, each	10.00
Civil Engineering 5	2.00
Education 136	2.00
Geology 1 and 2, each	3.00
Graphic Art 5-6, 21, 22, 105-106, 121-122, 123	3.00
Library Science	1.00
Physics 7 and 8, each	5.00
Physics 9 and 10, each	8.00
Psychology 120	3.00
Zoology 121-122	10.00
Breakage Deposits, the amount paid in excess of breakage to be returned:	
Chemistry 5-6, 35-36, 135-136	\$15.00
Chemistry 41-42, 145-146, 297-298	20.00
Microscope Rental:	
Zoology	\$7.00

FINANCIAL REGULATIONS

Fees are due upon registration, but the nine-weeks students may pay their fees in three equal installments: at the time of registration, July 1, and July 15; and the six-weeks students in two equal installments, at the time of registration and July 15. Students whose fees are not paid in full three days after the final dates mentioned will be dropped unless they have made arrangements with the Comptroller for later payment.

Delinquency. No student may register in any department of the University who owes fees in any other department of the University, and no student may reregister in any year who owes fees from any previous year.

Auditors. Auditors are charged the same fees as students who register for credit.

Scholarships. High school and other scholarships do not apply to work taken during the Summer Sessions.

AMOUNT OF WORK

- No student may take more than three courses aggregating 9 semester-hours of credit. No part-time student may take more than two courses aggregating 6 semester-hours of credit.
- Students registered only during the six-weeks term may take not more than three courses aggregating 6 semester-hours of credit. Part-time students in the six-weeks term may take not more than two courses aggregating 4 semester-hours of credit.
- Students in the Law School may take not more than 4 semester-hours in each summer term.

COURSES OF INSTRUCTION

Courses of instruction offered in the Summer Sessions are included in the general statement of courses beginning on page 214, and in the Summer Sessions Bulletin.

REGULATIONS

Students registered in the Summer Sessions are subject to the general University regulations which are stated beginning on page 65.

For additional information regarding the Summer Sessions consult the Summer Sessions Bulletin.

COURSES OF INSTRUCTION

ANATOMY

GEORGE BAIN JENKINS, M.D., *Professor of Anatomy, Executive Officer.*

WILLIAM BINFORD KING, A.B., M.D., *Associate Professor of Anatomy.*

OTHMAR SOLNITZKY, PH.D., M.D., *Associate Professor of Anatomy.*

_____, *Instructor in Anatomy.*

Total number of hours required in Anatomy for the M.D. degree—860.

- 111-112-113. *Gross Anatomy* (480-60) Jenkins, King
 The work in this course consists of instruction in osteology followed by the careful dissection and study of the entire body, supplemented by the use of models and prepared specimens. 15 hours per week in the first, second and third trimesters of the first year.
- 121-122-123. *Histology and Embryology* (288-60) Jenkins, Solnitzky, King
 The work in histology includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. 9 hours per week in the first and second trimesters of the first year. The work in embryology embraces a study of normal development, using chick, pig and human material. Malformations and developmental errors are broadly considered. Stained sections, prepared embryos and models are used. 9 hours per week in the third trimester of the first year.
161. *Neuro-anatomy* (72-12) Jenkins, Solnitzky
 A laboratory course on the gross and microscopic study of the human central nervous system. Special emphasis is laid on the functional significance of parts. 6 hours per week in the first trimester of the second year.
172. *Applied Anatomy* (20-20) Jenkins, King
 This is a recitation course in which the important facts of regional and topographical anatomy are given in their application to the practice of medicine and surgery. 2 hours per week in the second trimester of the second year.

ANTHROPOLOGY

TRUMAN MICHELSON, PH.D., *Professor of Ethnology, Executive Officer.*
CAROLINE BENEDICT CARROLL, A. B., *Lecturer in Archaeology.*

Minimum requirement for the major: Anthropology 101-102, 121-122, 231-232; Sociology 27-28; Botany 107-108. (Certain courses in Geology, Geography, History, Sociology, and Zoology may be substituted, in part, for the above with permission of the Executive Officer.)

SECOND SECTION

101-102. *Basic Course in Archeology.* (3-3) Carroll
A general course in archeology; both the Old and the New World will be considered as fully as time permits. Monday, Wednesday, Friday, 4:10 p. m.

†121-122. *Introduction to Ethnology.* (2-2) Michelson
A general course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology, religious ideas, ethical ideas, and languages of primitive peoples; the beginnings of literature and art. Tuesday and Thursday, 5:10 p. m.

THIRD SECTION

†231-232. *Advanced Ethnology.* (3-3) Michelson
Prerequisite: Courses 121-122. Monday, Wednesday, Friday, 5:10 p. m.

†251-252. *Seminar in Ethnology.* (3-3) Michelson
Prerequisite: Courses 231-232; permission of the Executive Officer of the department required. Hours to be arranged.

ARCHITECTURE

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*
 NORRIS INGERSOLL CRANDALL, M. ARCH., *Professor of Architecture, Executive Officer.*

ALBERT LEWIS HARRIS, B.S. IN ARCH., *Professorial Lecturer in Architecture.*
 DELOS HAMILTON SMITH, M.S. IN ARCH., *Professorial Lecturer in Architecture.*

_____, *Assistant Professor of Architecture.*
 GEORGE RICHARD ROBERTS, A.M., LL.B., C.E., *Lecturer in Architecture.*
 DONALD CHENOWETH KLINE, B.Arch., *Instructor in Architecture.*

During the academic year 1930-1931 special lectures will be given by the following persons: James Spear Taylor, A.B., Francis P. Sullivan, A.B., George W. Dalzell, LL.M., Louis Justement, B.S., Edwin H. Rosengarten.

Minimum requirements for the degree in Architecture: See curricula on page 200.

FIRST SECTION

- 1-2. *Architectural Drawing (1-1)* Kline and Assistant
 Freehand lettering, stone jointing, and mechanical perspective. Drawing Room Fee \$3.00. *Section A*, Monday, 9:10 a. m. to 12. *Section B*, Monday, 7:30 to 10:30 p. m. *Summer term 1930: Daily except Saturday, 5:10 to 7:40 p. m.*
4. *Shades and Shadows (2)* Kline and Assistant
 Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Mechanical Engineering 5. Drawing Room Fee \$3.00. *Section A*, Wednesday and Friday, 1:10 to 4:00 p. m. *Section B*, Tuesday and Thursday, 7:30 to 10:30 p. m. *Summer Term 1930: Daily except Saturday, 5:10 to 7:40 p. m.*
- 5-6. *Architectural Rendering (2-2)* Kline
 Technique and Composition. *Section A*, Wednesday and Friday, 9:10 a. m. to 12. *Section B*, Wednesday and Friday, 7:30 to 10:30 p. m.
- †11-12. *History of Architecture (2-2)* Bibb
 The Architecture of Ancient Egypt, Greece, Rome and the Medieval period. Monday and Wednesday, 6:10 p. m.

- †13-14. *Historic Ornament* (1-1) Bibb
Periods and styles of Ancient, Medieval, Oriental, Renaissance, and Modern ornament. Tuesday, 5:10 p. m.

- †21-22. *Principles of Composition* (1-1) Crandall
Elements of pictorial composition. Thursday, 5:10 p. m.

- †23-24. *Principles of Planning* (1-1) Crandall
Plan composition for architectural design. Prerequisite: Architecture 21-22. Thursday, 6:10 p. m.

- 25-26. *Freshman Design* (2-3) Kline
Classical orders and their application to simple architectural problems of from three to six weeks' duration. Nine-hour sketch problems. Must be taken concurrently with (or subsequently to) Architecture 4, 21-22. Drawing Room fee \$3.00 a semester. *Section A*, Tuesday and Thursday, 9:10 a. m. to 12. *Section B*, Tuesday and Thursday, 7:30 to 10:30 p. m. *Second semester, both sections*, Tuesday, 6:10 p. m. *Summer Term 1930*: Course 25 or 26, daily except Saturday, 5:10 to 7:40 p. m.

- 27-28. *Sophomore Design* (4-4) Kline
Beaux Arts Institute of Design Class B Analytique and Projet problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 26. Drawing Room Fee \$6.00 a semester; Beaux Arts Fee \$8.00 a year. *Section A*, Monday, Tuesday, Thursday, Friday, 9:10 a. m. to 12. *Section B*, Monday, Tuesday, Thursday, Friday, 7:30 to 10:30 p. m. *Summer Term 1930*: Course 27 or 28, daily except Saturday, 5:10 to 7:40 p. m.

SECOND SECTION

- †111-112. *History of Architecture* (2-2) Bibb
The Architecture of the Renaissance in its relation to Ancient and Modern Architecture. Prerequisite: Architecture 12. Tuesday and Thursday, 6:10 p. m.

- 125-126. *Junior Design* (6-6) Crandall
Beaux Arts Institute of Design Class A and B Projet problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 28. Drawing Room Fee \$6.00 a semester; Beaux Arts Fee \$8.00 a year. *Section A*, Monday, Tuesday, Wednesday, Thursday, Friday, 9:10 a. m. to 12, and Monday, 1:10 to 4:00 p. m. *Section B*,

Architecture 125, Monday, Tuesday, Friday, 7:30 to 10:30 p. m. Course 126, Monday, Tuesday, Friday, 7:30 to 10:30 p. m. *Summer Term 1930*: Course 125 or 126, daily except Saturday, 5:10 to 7:40 p. m. Students with limited schedules may take Courses 125 and 126 for two semesters each.

127-128. *Senior Design (6-6)*

Crandall

Beaux Arts Institute of Design Class A projet problems of from two to six weeks' duration. Nine-hour sketch problems. Prerequisite: Course 126. Drawing Room Fee \$6.00 a semester; Beaux Arts Fee \$8.00 a year. *Section A*, daily except Saturday, 9:10 a. m. to 12, and Monday, 1:10 to 4:00 p. m. *Section B*, Course 127—Monday, Tuesday, Friday, 7:30 to 10:30 p. m.; Course 128—Monday, Tuesday, Friday, 7:30 to 10:30 p. m. *Summer Term 1930*: Course 127 or 128, daily except Saturday, 5:10 to 7:40 p. m. Students with limited schedules may take Courses 127 and 128 for two semesters each.

†131-132. *Architectural Construction (3-3)*

Roberts

Materials, processes, systems and practices of the building trades. Structural details, specifications, contracts and supervision. Building and zoning regulations. Prerequisite: Sophomore standing. Monday, Wednesday, Friday, 5:10 p. m.

†133-134. *Mechanical Equipment (2-2)*

Roberts

Water supply, sewage disposal, plumbing, heating, ventilating, electrical installation, elevators, and refrigeration. Prerequisite: Sophomore standing. Tuesday and Thursday, 5:10 p. m.

141-142. *Office Practice (2-2)*

Crandall

Working drawings, details, and specifications. Prerequisite: Course 132. Drawing Room Fee \$3.00 a semester. *Section A*, Tuesday and Friday, 1:10 to 4:00 p. m.; *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m. *Summer Term 1930*: Course 141 or 142, daily except Saturday, 5:10 to 7:40 p. m.

†143-144. *Professional Relations (1-1)*

Smith

The ethics of the profession of Architecture. Relations of the architect to the owner and contractor. Contracts, legal documents. Preliminary estimates for buildings, legal responsibility of the architect for estimates. Land values and their relation to cost of proposed building. Promotion and

investment, operation and revenue. Prerequisite: Senior standing. Tuesday, 5:10 p. m.

- 145-146. *Architectural Humanities* (1-1) Crandall
Articles in current periodicals and special subjects. Prerequisite: Senior standing. Friday, 5:10 p. m.

THIRD SECTION

- 211-212. *Seminar in History of Architecture* (2-2) Bibb
Hours to be arranged.
- 231-232. *Advanced Construction* (2-2) Roberts
Hours to be arranged.
- 251-252. *Seminar in Design* (2-2 to 6-6) Crandall
Hours to be arranged.

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*

ROGER MORRISON CHOISSER, B.S. M.D., *Associate Professor of Bacteriology and Pathology.*

GEORGE JOSEPH BRILMYER, M.S., M.D., *Associate Professor of Pathology.*

CLIFT PALSGROVE BERGER, A.M., *Associate Professor of Bacteriology.*

LEON STUART GORDON, A.M., M.D., *Instructor in Pathology.*

SAMUEL ROSS TAGGERT, M.D., *Instructor in Bacteriology and Pathology.*

WILLIAM FRANKLIN SHERIDAN, A.B., *Instructor in Pathology.*

CHARLES ROSENBERG, A.M., *Instructor in Bacteriology.*

WILLIAM FELLER, A.M., *Instructor in Bacteriology.*

Total number of hours required in Bacteriology and Pathology for the M.D. degree—701.

221. *Bacteriology* (144-32)

Hunter, Choisser, Gordon,
Berger, Rosenberg, Feller

Lectures and quizzes in the field of bacteriology and immunology and their application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization and bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently, about fifty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this work. 12 hours per week in the first trimester of the second year.

224-225. *Pathology* (392-136)

Hunter, Choisser, Gordon,
Brilmyer, Taggert, Sheridan

General pathology, covers inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc. This is followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Between two and three hundred sections are stained, mounted and loaned to each student. These sections are carefully exam-

ined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them. 12 hours per week in the second and 19 hours per week in the third trimester of the second year. Autopsies for second, third and fourth year students are held at the University and affiliated hospitals. Each autopsy includes presentation of the history and clinical findings of the case and demonstration of the gross pathology, followed later by clinical conferences with presentation of the microscopical findings.

234-235. *Preventive Medicine and Hygiene* (63-12)

Choisser, Rosenberg, Berger

The course in Preventive Medicine and Hygiene consists of lectures, recitations, laboratory work, sanitary excursions and sanitary surveys. Visits are made to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy, pasteurization plants, schools, various industrial plants, and a county health organization. A study will be made of the organization and functioning of a city health department; and the students will make sanitary surveys of small towns. 3 hours per week in the second and third trimesters of the second year.

251-252. *Clinical Microscopy and Parasitology* (72-24)

Hunter, Choisser, Brilmyer, Berger

In the course in Clinical Microscopy the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial and other parasites, in the estimation of blood coagulation time, etc., in the microscopic study of the sediments of normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites, which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, spinal fluids, pleural exudates, etc. The venomous animals, their venoms and the problems of immunity in this group are studied. The significance and value of all these microscopic findings as applied to pathology and diagnosis are considered. 3 hours per week, 24 weeks in the first and second trimesters of the third year.

261-262. *Clinical Pathological Conferences* (30-0)

Medical Staff and Hunter

Clinical records of cases dying in the University and Gal-
linger Hospitals are presented by the student assigned to
the case in the wards. Autopsy and clinical findings are
compared with the clinical, and the specimens are demon-
strated and examined by all present. 1 hour per week
throughout the fourth year.

BIOCHEMISTRY

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry, Executive Officer.*
 OLIVER JOHN IRISH, M.S., *Associate Professor of Biochemistry.*
 HAROLD ALBERT CRAFT, M.S., *Assistant Professor of Biochemistry.*

Total number of hours required in Biochemistry for the M.D. degree—239.

101-102. *Biochemistry* (176-80)

Roe, Irish, Craft

A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Laboratory work is planned to supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism. 8 hours per week in the first and second trimesters of the first year.

152-153. *Clinical Chemistry* (63-21)

Roe, Irish, Craft

A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice and feces; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. These studies are carried out upon pathological material from the University Hospital and other sources. 3 hours per week in the second and third trimesters of the second year.

297-298. *Research*

Hours, fees, and credits by arrangement.

Roe

BOTANY

ROBERT FISKE GRIGGS, PH.D., *Professor of Botany, Executive Officer.*

*WILLIAM WEBSTER DIEHL, M.S., *Lecturer on Mycology.*

JAMES EVERARD BENEDICT, JR., B.S. IN FOR., *Lecturer on Bryology.*

PAUL WILLIAM BOWMAN, PH.D., *Assistant Professor of Botany.*

*PAUL VINCENT MOOK, M.S., *Instructor in Botany.*

JOHN RUNYON LARGE, M.S., *Instructor in Botany.*

Minimum requirements for the major:

Botany—24 semester hours in Botany with certain collaterals to be determined in conference with the Executive Officer of the Department.

Biological Science (School of Education)—30 semester hours of Botany and Zoology as specified by the Executive Officers of these Departments.

FIRST SECTION

†1-2. *General Botany* (3-3)

Griggs, Bowman, Large

Plants, their mode of life and their bearing on human affairs. A study of the structure and functions of the flowering plant as a working mechanism, followed by a rapid survey of the principal groups of plants, with practice in determining the common native flowers. Material Fee \$5.00 a semester.

Section A, Monday and Wednesday, 9:10 a. m.; *Section B*, Monday and Wednesday, 10:10 a. m.; *Section C*, Monday and Wednesday, 11:10 a. m.; *Section D*, Monday and Wednesday, 3:10 p. m.; *Section E*, Monday and Wednesday, 6:10 p. m.; *Section F*, Tuesday and Thursday, 9:10 a. m.; *Section G*, Tuesday and Thursday, 11:10 a. m.; *Section H*, Tuesday and Thursday, 5:10 p. m. *Laboratory*: Sections A, B, C, D, F, will take laboratory work in one of the following periods: Monday, Tuesday, Wednesday, Thursday, 1:10 to 3:00 p. m.; Friday, 11:10 a. m. to 1:00 p. m., 2:10 to 4:00 p. m.; Saturday, 9:10 to 11:00 a. m. *Section E*, Friday, 6:10 to 8:00 p. m. *Section H*, Thursday, 6:10 to 8:00 p. m.

NOTE: When registering for Botany I each student should see representative of the Department and receive a laboratory assignment card from him. This is necessary in order to be

* On leave 1930-31.

assured of a place, as space and equipment limit the sections to forty each.

Summer Term 1930: Course 1, Daily except Saturday. *Lecture-Laboratory*, 10:10 a. m. to 12:00 noon. Course 2, daily except Saturday. *Lecture-Laboratory*, 5:10 to 7:00 p. m.

5. *Plant Study* (4)

Bowman

An out-of-doors course in the plants—higher and lower—growing around Washington. *Summer Term 1930:* Daily, except Saturday, 1:30 to 4:30 p. m.

18. *Field Botany* (2)

Bowman

First-hand study of the local flora, designed to familiarize the student with the native plants and with methods of field study, including the identification of plants. *Field Trip*—Saturday afternoon. *Laboratory*—Monday, 1:10 to 3:00 p. m.

SECOND SECTION

†107-108. *Evolution* (3-3)

Griggs

Evolution, genetics, eugenics and other fundamental problems of biology. Prerequisite: one year of college work in Botany, Ethnology, Geology or Zoology. Monday, Wednesday and Friday, 5:10 p. m.

115. *Cytology* (3)

Bowman

Instruction and practice in the preparation and study of cytological material. Prerequisite: A satisfactory course in general Botany or Zoology. Material fee \$8.00. *Lecture*—Thursday, 5:10 p. m. *Laboratory*—Tuesday and Thursday; hours to be arranged.

116. *Plant Anatomy* (3)

Bowman

A microscopic study of the structure of vascular plants and the technic of preparing material for study. Prerequisite: Botany 1 and 2. Material fee \$8.00. *Lecture*—Thursday, 5:10 p. m. *Laboratory*—Tuesday and Thursday; hours to be arranged.

118. *Seminar*

Bowman

Prerequisite: Botany 115 or its equivalent. Credits and hours to be arranged.

121-122. *Monocots* (3-3)

Griggs

A survey of the monocots, designed to give the student an understanding of the principles of the evolution of the class and practice in their identification. Alternating with Courses

123-124. Prerequisite: Courses 1-2. *Conference*—Wednesday at 6:10 p. m. *Laboratory*—Monday, Wednesday, Friday; hours to be arranged. (Not given 1930-31.)

123-124. *Dicots* (3-3)

Griggs

A survey of selected groups of dicots chosen to give the student an understanding of the evolution of the class and practice in their identification. Alternating with Courses 121-122. *Conferences* and *laboratory*. Prerequisite: Courses 1-2. *Conference*—Wednesday, 6:10 p. m. or Friday, 4:10 p. m. *Laboratory*—Monday, Wednesday, Friday; hours to be arranged.

135-136. *Plant Processes* (3-3)

Mook

A course dealing with the fundamental processes of plants. Water requirements, principles of absorption, protoplasmic membranes, permeability, osmotic phenomena, mineral nutrients, transpiration, synthesis of food, metabolism, translocation of food materials, and growth and movements of plants are briefly considered. Prerequisite: Botany 1-2. Desirable antecedents: Physics 3-4; 7-8 or 9-10 and Chemistry 1-2, 3-4 or 5-6. (Not given 1930-31.)

138-139. *Minor Problems* (3-3)

Griggs

Credits

Competent students may take up special problems. and hours to be arranged.

158. *Mosses* (2)

Benedict

Advanced Field Course. Alternating with Course 168. Prerequisite: Course 18 or the equivalent. *Field trip*—Saturday afternoon. *Laboratory*—Monday, 3:10 to 5:00 p. m.

168. *Fungi* (2)

Diehl

Advanced field course. Alternating with Course 158. Prerequisite: Course 18 or the equivalent. *Field trip*—Saturday afternoon. *Laboratory*—Monday, 3:10 to 5:00 p. m. (Not given 1930-31.)

THIRD SECTION

201-202. *Seminar* (1-1)

Griggs

Survey of the advances in the field of Botany. Open to advanced students; should be taken by those working on special problems (Courses 138-139 or 211-212). Tuesday, 6:10 to 7:00 p. m.

Griggs

211-212. *Research*

Credits and hours to be arranged.

Summer Term 1930: 211. Hours to be arranged.

CHEMISTRY

CHARLES EDWARD MUNROE, Ph.D., LL.D., *Professor Emeritus.*

HIRAM COLVER McNEIL, Ph.D., *Professor of Chemistry.*

COLIN MACKENZIE MACKALL, Ph.D., *Professor of Chemistry, Executive Officer.*

JOSEPH HIRAM ROE, Ph.D., *Professor of Biochemistry.*

BENJAMIN DOUGLASS VAN EVERA, M.S., *Assistant Professor of Chemistry.*

JOSEPH ALFRED AMBLER, Ph.D., *Lecturer in Chemistry.*

RALPH EDWARD GIBSON, Ph.D., *Lecturer in Chemistry.*

RALEIGH GILCHRIST, Ph.D., *Lecturer in Chemistry.*

EDGAR REYNOLDS SMITH, Ph.D., *Lecturer in Chemistry.*

DEWITT CLINTON KNOWLES, M.S., *Instructor in Chemistry.*

CAREY BIRDSONG JACKSON, M.S., *Instructor in Chemistry.*

HELEN MARIE DYER, M.S., *Associate in Chemistry.*

Minimum requirements for the major:

For the A.B. degree:

Chemistry—Courses 3-4 or 5-6; 11-12; 41-42; 121; 122; 191 and 192.

Physical Science—30 semester hours of Chemistry and Physics as specified by the Executive Officers of these Departments.

For the B.S. degree:

Chemistry—Courses 3-4 or 5-6; 11-12; 41-42; 121; 122; 111-112; 191; 192 and six semester hours of elective Chemistry or Physics.

Language—German recommended.

Registration—Before completing their registration students must consult the representative of the Department of Chemistry and secure a card assigning them to laboratory section and locker.

FIRST SECTION

†3-4. General Chemistry (5-5)

McNeil, Knowles,
and Assistants

General Chemistry and the elements of Qualitative Analysis for students who do not offer Chemistry for entrance. Material fee \$8.00 a semester; breakage deposit \$15.00. Lectures—Section A, Monday, Wednesday, Friday, 10:10 a. m.; Section B, Monday, Wednesday, Friday, 6:10 p. m. Laboratory—Section M, Monday and Wednesday, 1:10 to 4:00 p. m.; Section N, Tuesday and Thursday, 1:10 to 4:00 p. m.; Section O, Monday and Wednesday, 7:30 to 10:20 p. m.; Section P, Tuesday and Thursday, 7:30 to 10:20 p. m.

†5-6. *General Chemistry* (4-4)McNeil, Knowles,
and Assistants

General Chemistry and the elements of Qualitative Analysis. Prerequisite: High School Chemistry. Material fee \$8.00 a semester; breakage deposit \$15.00. *Lectures*—Section A, Tuesday and Thursday, 11:10 a. m.; Section B, Tuesday and Thursday, 6:10 p. m. *Laboratory*—Section M, Monday and Wednesday, 1:10 to 4:00 p. m.; Section N, Tuesday and Thursday, 1:10 to 4:00 p. m.; Section O, Monday and Wednesday, 7:30 to 10:20 p. m.; Section P, Tuesday and Thursday, 7:30 to 10:20 p. m. *Summer Term 1930: Lectures*—Daily except Saturday, 8:10 to 9:15 a. m. *Laboratory*—Daily except Saturday, 9:25 a. m. to 1:00 p. m.

†11-12. *Elementary Physical and Quantitative Chemistry* (4-4)

Van Evera and Assistants

Prerequisite: Course 4 or 6. Material fee \$8.00 a semester; breakage deposit \$20.00. *Lectures*—Section A, Monday and Wednesday, 10:10 a. m.; Section B, Tuesday and Thursday, 5:10 p. m. *Laboratory*—Section M, Monday and Wednesday, 1:10 to 4:00 p. m.; Section N, Tuesday and Thursday, 1:10 to 4:00 p. m.; Section O, Monday and Wednesday, 7:30 to 10:20 p. m.

21. *Elementary Quantitative Inorganic Analysis* (4)

Van Evera and Assistants

Prerequisite: Course 4 or 6. Material fee \$10.00; breakage deposit \$20.00. *Lecture*—Monday at 5:10 p. m. *Laboratory*—Section M, Monday, Wednesday, Friday, 1:10 to 4:00 p. m.; Section N, Tuesday, Thursday, Friday, 1:10 to 4:00 p. m.; Section O, Monday, Wednesday, Friday, 7:30 to 10:20 p. m.

35-36. *Inorganic Chemistry* (2-2)

Knowles

Prerequisite: Course 4 or 6. Material fee \$10.00 a semester; breakage deposit \$15.00. *Laboratory*—Section M, Monday and Wednesday, 1:10 to 4:00 p. m.; Section O, Monday and Wednesday, 7:30 to 10:20 p. m. *Summer Term 1930: Laboratory*—Daily except Saturday, 9:25 a. m. to 1:00 p. m.

†41-42. *Organic Chemistry* (4-4)Mackall, Jackson
and Assistants

Prerequisite: Course 4 or 6. Material fee \$10.00 a semester; breakage deposit \$20.00. *Lecture*—Section A, Monday and Wednesday at 11:10 a. m.; Section B, Monday and Wednesday, 5:10 p. m. *Laboratory*—Section M, Monday and

Wednesday, 1:10 to 4:00 p. m.; *Section N*, Tuesday and Thursday, 1:10 to 4:00 p. m.; *Section P*, Tuesday and Thursday, 7:30 to 10:20 p. m. *Summer Term 1930: Lectures*—Daily except Saturday, 8:10 to 9:15 a. m. *Laboratory*—Daily except Saturday, 9:25 a. m. to 1:00 p. m.

- †51-52. *Chemistry of Food and Nutrition* (3-3) Dyer
Prerequisite: Course 4 or 6. Material fee \$4.00 a semester; breakage deposit \$15.00. *Lectures*—Wednesday and Friday, 5:10 p. m. *Laboratory*—*Section M*, Friday, 1:10 to 4:00 p. m.; *Section O*, Friday, 7:30 to 10:20 p. m.

SECOND SECTION

- †111-112. *Physical Chemistry* (4-4) Gibson, Jackson
Prerequisite: Course 12 and Mathematics 20. Material fee \$5.00 a semester; breakage deposit \$15.00. *Lectures*—Monday and Wednesday, 5:10 p. m. *Laboratory*—*Section M*, Tuesday and Thursday, 1:10 to 4:00 p. m.; *Section P*, Tuesday and Thursday, 7:30 to 10:20 p. m.

121. *Qualitative Inorganic Analysis* (4) Van Evera and Assistants
Prerequisite: Course 12. Material fee \$10.00; breakage deposit \$20.00. *Lecture*—Wednesday at 5:10 p. m. *Laboratory*—*Section M*, Monday, Wednesday, Friday, 1:10 to 4:00 p. m.; *Section N*, Tuesday, Thursday, Friday, 1:10 to 4:00 p. m.; *Section O*, Monday, Wednesday, Friday, 7:20 to 10:20 p. m.

122. *Quantitative Inorganic Analysis* (4) Van Evera and Assistants
Prerequisite: Course 12. Material fee \$10.00; breakage deposit \$20.00. *Lecture*—Wednesday at 5:10 p. m. *Laboratory*—*Section M*, Monday, Wednesday, Friday, 1:10 to 4:00 p. m.; *Section N*, Tuesday, Thursday, Friday, 1:10 to 4:00 p. m.; *Section O*, Monday, Wednesday, Friday, 7:30 to 10:20 p. m.

- †123-124. *Qualitative and Quantitative Organic Analysis* (2-2) Mackall
Prerequisite: Courses 12 and 42. Material fee \$8.00 a semester; breakage deposit \$20.00. *Laboratory*—*Section N*, Tuesday and Thursday, 9:10 a. m. to 12:00 noon; *Section O*, Monday and Wednesday, 7:30 to 10:20 p. m.

- 135-136. *Inorganic Chemistry* (2-2) Van Evera
Prerequisite: Course 12. Material fee \$10.00 a semester; breakage deposit \$15.00. *Laboratory*—*Section N*, Tuesday

and Thursday, 1:10 to 4:00 p. m.; *Section O*, Monday and Wednesday, 7:30 to 10:20 p. m. *Summer Term 1930: Laboratory*—Daily except Saturday, 9:25 a. m. to 1:00 p. m.

- 141-142. *Organic Chemistry (2-2)* Mackall
Prerequisite: Course 42. *Lectures*—Tuesday and Thursday, 5:10 p. m.

- 145-146. *Organic Chemistry (2-2)* Mackall
Prerequisite: Course 42. Material fee \$10.00 a semester; breakage deposit \$20.00. *Laboratory*—*Section N*, Tuesday and Thursday, 9:10 a. m. to 12:00 noon; *Section O*, Monday and Wednesday, 7:30 to 10:20 p. m. *Summer Term 1930: Laboratory*—Daily except Saturday, 9:25 a. m. to 1:00 p. m.

- †151-152. *Biochemistry (4-4)* Dyer
Prerequisite: Course 42. Material fee \$10.00 a semester; breakage deposit \$20.00. *Lectures*—Monday and Wednesday, 6:10 p. m. *Laboratory*—Monday and Wednesday, 7:30 to 10:20 p. m.

- †165-166. *Chemical Engineering (3-3)* Knowles
Prerequisite: Courses 12 and 42, and Mathematics 20. *Lectures*—Monday, Wednesday, Friday, 6:10 p. m.

191. *Chemical Bibliography (1)* Mackall
Prerequisite: Courses 12 and 42. *Lecture*—Friday, 5:10 p. m.

192. *History of Chemistry (1)* Mackall
Prerequisite: Courses 12 and 42. *Lecture*—Friday, 5:10 p. m.

THIRD SECTION

- †207-208. *Electrochemistry (2-2)* Smith
Prerequisite: Course 112. *Lectures*—Monday and Friday, 5:10 p. m.

- †211-212. *Chemical Thermodynamics (2-2)* Gilchrist
Prerequisite: Course 112. *Lectures*—Wednesday and Saturday, 5:10 p. m.

241. *Carbohydrates (2)* Ambler
Prerequisite: Course 42. *Lectures*—Tuesday and Thursday, 5:10 p. m.

242. *Polypeptides; Dyes; Organic Medicinals.*

Ambler

Prerequisite: Course 42. *Lectures*—Tuesday and Thursday,
5:10 p. m.

297-298. *Research*

The Staff

Hours, fees, and credits by arrangement. *Summer Term*
1930 by special arrangement.

CIVIL ENGINEERING

- †JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering.*
 OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*
 FRANK ARTEMAS HITCHCOCK, M.S., C.E., *Professor of Civil Engineering.*
Executive Officer.
 ROBERT EDWARD ROYALL, B.S., *Lecturer in Civil Engineering.*
 GEORGE ALBERT CHADWICK, B.S., *Lecturer in Mechanics.*
 BLAKE RAGSDALE VAN LEER, M.E., *Lecturer in Hydraulics.*
 HAROLD HARRISON DUTTON, B.S., *Associate in Materials Testing.*
 JOSEPH CARL OLEINIK, M.S., *Associate in Civil Engineering.*

Requirements for the degree in Civil Engineering: See curricula on page 156.

FIRST SECTION

1. *Surveying* (3)

The principles, methods and instruments used in surveying. *Field Work:* adjustment of instruments, measuring areas, leveling and traverse work. *Computation and drafting:* reduction of all field work and plotting results. Surveying fee \$5.00. Prerequisite: Mathematics 6-12. *Section A,* Tuesday and Thursday, 1:10 p. m. *Section B,* Monday and Friday, 6:10 p. m. *Field Work—Tuesday, 1:10 p. m.*

5. *Elements of Surveying* (2)

For mechanical and electrical engineering students, covering the use of the compass, transit and level. Lectures and field exercises. Prerequisite: Mathematics 6-12. Surveying fee \$2.00. *Summer Term 1930:* Monday to Friday, 5:10 to 7:00 p. m. and Saturday, 1:00 to 7:00 p. m. from June 16 to 30.

14. *Materials and Hydraulics Laboratory* (2)

The experimental determination of the properties of materials such as wood, brick, iron, and steel by mechanical tests together with the study of the flow of fluids over weirs and through orifices. Prerequisites: Courses 25, 26, 132, 134, or concurrently with Courses 132, 134. Laboratory fee \$5.00. *Section A,* Wednesday and Thursday, 1:10 p. m.; *Section B,* Tuesday and Thursday, 7:30 p. m.

† On sabbatical leave 1930-1931.

- 15-16. *Nautical Science* (2-2) French
Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Prerequisite: Trigonometry. Wednesday and Saturday, 6:10 p. m.
- 25-26. *Materials of Construction* (2-2) Lapham
Non metallic materials with emphasis on cement. Metallic materials with emphasis on iron and steel. Textbook work is supplemented by special topics and by trips to testing laboratories and manufacturing plants. Prerequisite: Chemistry 4 or 6. *Section A*, Monday and Wednesday, 9:10 a. m.; *Section B*, Monday and Wednesday, 5:10 p. m. *Summer Term 1930* (2-2): Daily except Saturday, 5:10 to 7:10 p. m., beginning June 30.
41. *Graphic Statics* (3) Hitchcock
The fundamental principles of graphic statics, the analyses of beams by graphical methods, and the determination of stresses in roof trusses and framed bents under dead, snow, wind and special loadings. Prerequisite: Course 131 or taken concurrently therewith. Drafting Room fee \$1.00. *Section A*, Tuesday and Thursday, 11:10 a. m., and Tuesday, 1:10 p. m. *Section B*, Tuesday and Thursday, 6:10 p. m. and Thursday, 7:30 p. m.
42. *Bridge Stresses* (3) Hitchcock
The determination of stresses in the modern types of bridge trusses under dead loads, uniform live loads, concentrated moving loads and lateral forces; influence lines and displacement diagrams and the design of splices and connections in wooden and steel structural members and the use of the structural steel handbook. Prerequisites: Courses 41 and 132 or concurrently with Course 132. Drafting Room fee \$1.00. *Section A*, Tuesday and Thursday, 11:10 A. M., and Tuesday, 1:10 p. m. *Section B*, Tuesday and Thursday, 6:10 p. m., and Thursday, 7:30 p. m.
- 43-44. *Elements of Structures* (3-3) Hitchcock
Primarily for architectural students. Graphic statics, center of gravity, moment of inertia, analyses of beams, columns and roof trusses by graphical and analytical methods, the

design and detailing of simple trusses. Prerequisite: Mathematics 16. Drafting Room fee \$1.00 a semester. Wednesday and Friday, 6:10 p. m., and Tuesday, 7:30 p. m.

- 61-62. *Highways and Pavements* (2-2) Royall
 Highway economics, location, construction and maintenance; various methods of surfacing; materials used and standard tests of these materials. Prerequisites: Courses 1 and 25 or concurrently therewith. Monday and Wednesday, 8:00 a. m.

- 71-72. *Railroad Engineering* (3-3) French
Recitations: railroad curves and earth-work, methods of location and construction of railway lines. *Field Work*: a preliminary and location survey; the laying out of circular and transition curves. *Computations and mapping*: estimation of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Prerequisite: Course 1. Surveying fee \$3.00 per semester. *Lectures—Section A*, Monday and Friday, 2:10 p. m.; *Section B*, Tuesday and Thursday, 6:10 p. m. *Field Work*—Saturday; hours to be arranged.

102. *Higher Surveying* (3) French
 The elements of geodesy, triangulation, topography, hydrography, precise and trigonometric leveling. *Field work*: measurement of angles for triangulation, topography by transit and stadia and plane-table methods, including the necessary computations. Prerequisite: Course 1. Surveying fee \$5.00. *Lectures—Section A*, Tuesday and Thursday, 1:10 p. m.; *Section B*, Monday and Friday, 6:10 p. m. *Field Work*—Saturday; hours to be arranged.

118. *Practical Astronomy* (2) French
 The elements of astronomy, use of the ephemeris and star catalogues, several methods for determining the latitude, time, longitude and azimuth. Each student is required to make observations to determine latitude, time, longitude and azimuth, and compute the same. Prerequisites: Course 1. *Section A*, Wednesday and Friday, 1:10 p. m. *Section B*, Wednesday and Friday, 5:10 p. m.

131. *Theoretical Mechanics* (4) Chadwick, Nash
 (1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia.
 (2) Kinematics and kinetics; including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Prerequisites: Physics 7-8;

Mathematics 20. *Section A*, Monday, Wednesday, Thursday, Friday, 10:10 a. m.; *Section B*, Monday, Wednesday, Thursday, Friday, 5:10 p. m.

132. *Mechanics of Materials* (4) Chadwick, Nash

Elastic and ultimate strength and deformation; simple, cantilever and continuous beams; shear, riveted joints, torsion, columns, resilience, combined stress, curved beams and hooks; theories of elastic limit and failure. Prerequisite: Courses 26 and 131. *Section A*, Monday, Wednesday, Thursday and Friday, 10:10 a. m.; *Section B*, Monday, Wednesday, Thursday, Friday, 5:10 p. m.

133-134. *Hydraulics* (2-2) Van Leer

The theoretical principles of hydraulics; including hydrostatics flow through orifices, over weirs, through pipes and in open channels and the dynamic pressure of water. Prerequisites: Physics 8 or 10; Mathematics 20. *Section A*, Tuesday and Thursday, 9:10 a. m.; *Section B*, Tuesday and Thursday, 5:10 p. m.

145-146. *Higher Structures* (3-3) Hitchcock

The determination of the positions of loading and stresses in the more complicated structures such as swing, continuous, cantilever and suspension bridges and metallic arches. Prerequisite: Course 42. Monday, Tuesday, Thursday, 5:10 p. m.

147-148. *Structural Design* (2-2) Hitchcock

Computations and drawings for a complete design of a steel roof truss, a through or deck plate girder bridge and a railroad bridge of six or seven panels or a heavy highway bridge. Prerequisite: Course 42. Drafting Room fee \$2.00 a semester. Tuesday and Thursday, 7:30 p. m.

149. *Reinforced Concrete and Masonry Construction* (3) Hitchcock, Oleinik

Plain concrete, general properties of reinforced concrete, beams and slabs, column bendings and direct stress, continuous beams and building frames. Tests of cement and concrete. Prerequisites: Courses 25 and 132. Laboratory fee \$5.00. Wednesday and Friday, 5:10 p. m. and Monday, 7:30 p. m.

150. *Reinforced Concrete and Masonry Construction* (3)

Hitchcock, Oleinik

Foundations; retaining walls; slab, beam, and girder bridges; culverts; conduits; bridge piers and abutments. **Prerequisite:** Course 149. Drafting Room fee \$1.00. Wednesday and Friday, 5:10 p. m. and Monday, 7:30 p. m.

181-182. *Water Supply and Sewerage* (3-3)

Lapham

Collection, storage, purification and distribution of water. Sewerage systems and treatment of sewerage. Three recitation periods first semester; two recitation and one design periods second semester. **Prerequisites:** Course 134; Chemistry 4 or 6. Drafting Room fee \$1.00 second semester. First semester Monday, Wednesday, Friday, 6:10 p. m.; second semester Monday and Friday, 6:10 p. m. and Wednesday, 7:30 p. m.

CLASSICAL LANGUAGES AND LITERATURES

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*

Minimum requirements for the major: 24 semester hours of Latin.

GREEK

FIRST SECTION

- †1-2. *Elementary* (3-3) Smith
The essentials of Greek grammar. Translation from Xenophon's *Anabasis*. Monday, Wednesday, Friday, 10:10 a. m. (Not given in 1930-1931.)
- 3-4. *Homer's Iliad; Herodotus; Lysias* (3-3) Smith
Prerequisite: Course 2 or its equivalent. Monday, Wednesday, Friday, 10:10 a. m.
- 5-6. *Xenophon; Plato; Euripides* (3-3) Smith
Memorabilia; Selected Dialogues; *Alcestis*. Prerequisite: Course 4 or its equivalent. Tuesday, Thursday, Saturday, 9:10 a. m.

LATIN

FIRST SECTION

- 5-6. *Livy; Cicero; Horace* (3-3) Smith
Livy, Book I or XXI; *De Senectute*; *Odes and Epodes*; and prose composition. Monday, Wednesday, Friday, 2:10 p. m.

SECOND SECTION

- *101-102. *Cicero's and Pliny's Letters; Horace's Satires and Epistles* (3-3) Smith
Prerequisite: Courses 5-6. Tuesday, Thursday, Saturday, 10:10 a. m.
- 105-106. *Tacitus; Terence; Plautus* (3-3) Smith
Selections from *Tacitus*; *Phormio and Captivi*. Prerequisite: Courses 5-6. Tuesday, Thursday, Saturday, 10:10 a. m. (Not given in 1930-1931.)

*This course is regularly open to sophomores who have passed Latin 5-6

- 109-110. *Horace's Ars Poetica; Quintilian; Catullus, Tibullus and Propertius* (3-3) Smith
Prerequisite: Courses 5-6. Tuesday, Thursday, Saturday, 10:10 a. m. (Not given in 1930-1931.)
- †113-114. *Advanced Latin Prose Composition and Reading at Sight* (1-1) Smith
Hours to be arranged.

THIRD SECTION

- 201-202. *Latin Seminar* (3-3) Smith
Training in the methods of philological criticism and in the interpretation of the classical authors, with opportunities for original research. The center of study in 1930-31 will be Caesar and the Roman Historians. Hours to be arranged.

CLASSICAL LITERATURE

SECOND SECTION

- 101-102. *General Survey of Greek and Roman Literature* (in English) (3-3) Smith
A study of the development of the different departments of literature in ancient Greece and Rome, illustrated by readings, in translation, from the most important authors. Monday, Wednesday, Friday, 4:10 p. m.

ECONOMICS

JOHN DONALDSON, PH.D., *Professor of Political Economy.*

RICHARD NORMAN OWENS, C.P.A., PH.D., *Professor of Accounting and Business Administration, Executive Officer.*

JOSEPH STEINHAUER ZUCKER, PH.D., *Professorial Lecturer on Taxation.*

MARK ANSON SMITH, PH.D., *Professorial Lecturer on Economic History.*

HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*

EDGAR A. J. JOHNSON, PH.D., *Associate Professor of Economics.*

CYRIL BRICE UPHAM, LL.B., PH.D., *Lecturer on Commercial and Maritime Law.*

RAINARD BENTON ROBBINS, PH.D., *Lecturer on Insurance.*

FRANCIS ESTOL SIMMONS, A.M., *Lecturer on Marketing.*

Minimum requirements for the majors:

Major in Economics (in addition to Courses 1-2): Courses 105, 106, 109-110, and twelve additional semester hours in courses numbered above 100.

For curricula in General Commerce, Foreign Commerce, Finance, and Accounting and Business Administration, see The School of Government.

FIRST SECTION

1-2. *Principles of Economics* (3-3)

Johnson

A survey of economic order: Its structure, institutions, operations. *Section A*, Monday, Wednesday, 12:10 p. m.; Thursday, 9:10 a. m. *Section B*, Monday, Wednesday, 12:10 p. m.; Thursday, 10:10 a. m. *Section C*, Monday, Wednesday, 12:10 p. m.; Friday, 9:10 a. m. *Section D*, Monday, Wednesday, 12:10 p. m.; Friday, 2:10 p. m. *Section E*, Monday, Wednesday, 12:10 p. m.; Saturday, 9:10 a. m. *Section F*, Monday, Wednesday, 12:10 p. m.; Tuesday, 10:10 a. m. *Section G*, Monday, 6:10 p. m.; Tuesday, Thursday, 5:10 p. m. *Section H*, Tuesday, Thursday, 5:10 p. m.; Friday, 6:10 p. m. *Section I*, Tuesday, Thursday, 5:10 p. m.; Friday, 7:45 p. m. *Section J*, Tuesday, Thursday, 5:10 p. m.; Saturday, 7:40 a. m. *Section K*, Tuesday, Thursday, 5:10 p. m.; Wednesday, 7:40 a. m. *Summer Term 1930:* Daily except Saturday, 6:10 to 8:00 p. m.

121-22. *Principles of Accounting* (3-3)

Owens

The objectives of the course are to understand methods of analysis peculiarly adapted for dealing with financial data

of an economic enterprise, and the thorough understanding of the accepted principles and procedures of double entry accounting. *Section A*, Monday, Wednesday, Friday, 11:10 a. m. Double laboratory period Wednesday. *Section B*, Tuesday, Thursday, Saturday, 6:10 p. m. Double laboratory period Thursday. *Summer Term 1930*: Daily except Saturday, 5:10 to 7:00 p. m.

SECOND SECTION

105. *History of Commerce* (3) Smith
Historical development of commerce and industry; origins of economic institutions. Tuesday, Thursday, Saturday, 6:10 p. m.

106. *Economic History of the United States* (3) Smith
The economic development of the nation and of its latter-day commercial and industrial problems. Tuesday, Thursday, Saturday, 6:10 p. m.

- †109-110. *Commercial Geography* (3-3) Donaldson
Summary of economic aspects of facts and principles of geography; analysis of the modern industrial and commercial structure as governed by economic-geographic principles; survey of world's major resources, industries, strategic commodities, and markets; study of economic conditions in the various nations and their position in international commerce. *Section A*, Monday, 6:10 p. m.; Wednesday, Friday, 12:10 p. m. *Section B*, Monday, Wednesday, Thursday, 6:10 p. m. *Section C*, Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930*: Daily except Saturday, 5:10 to 7:00 p. m.

- †119-120. *Money and Banking* (3-3) Sutton
The evolution of money and credit; basic principles of banking operation; the price level; survey of banking organization in the United States, including the Federal Reserve system; comparative study of foreign banking systems; the social and economic significance of modern banking developments. Prerequisites: Course 1-2. *Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m.

123. *Public Finance* (3) Zucker
A survey of the principles employed by governments in their financial operations; budget-making, borrowing, expenditures.

and revenues, with especial reference to taxation. Prerequisites: Courses 1-2. Monday, Wednesday, Friday, 6:10 p. m.

124. *Federal Taxation* (3)

Zucker

The general principles and practice of Federal taxation; analysis of tax incidence; a survey of income, excise, and inheritance taxes; study of the several Revenue Acts, with especial reference to the income tax. Class problems and discussion. Prerequisite: Course 21. Monday, Wednesday, Friday, 6:10 p. m.

126. *International Banking and Exchange* (3)

Sutton

Basic principle of international credit and exchange; structure of international credit; exchange rates; gold movements; limits of national credit; depreciated currencies; the problem of reestablishing credit and methods employed by European nations to accomplish it; reparations and economic consequences; the International Bank. Prerequisites: Courses 119-120. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m.

131-132. *Business Organization and Management* (3-3)

Owens

The first part of the course is a study of the types of business enterprise with emphasis upon the corporation; provisions of charter and by-laws; rights and duties of stockholders and directors; questions of social control of business. This is followed by a consideration of the internal organization and management of business, special attention being paid to the problems of the manufacturing concern. Prerequisites: Courses 1-2. Monday, Wednesday, Friday, 5:10 p. m.

135. *Corporation Finance* (3)

Sutton

The financial structure of business corporations and combinations; securities and their variation in risk and control; the stock market and speculation; financial policy; promotions; mergers; underwriting; receiverships; reorganization. Prerequisites: Courses 1-2. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m.

136. *Investments* (3)

Sutton

The basic principles of investments: Analysis of the various factors of investment credit and their application to the different types of investments; needs of various classes of pri-

vate and institutional investors; proper selection of securities adapted to these needs; necessary care of investments after making them.

(Given alternate years. Not given 1930-31.)

Summer Term 1930: Daily except Saturday, 5:10 p. m.

137-138. *Advanced Accounting* (3-3)

Partnership accounting, corporation accounting, valuation and related problems, investments, sinking funds, distinction between capital and revenue expenditures, problems of liquidation, combination, consolidations, consolidated balance sheet and profit and loss statement, accounts of receivers and trustees. Prerequisites: Courses 21-22. Tuesday, Thursday, Saturday, 5:10 p. m. Owens

139. *Cost Accounting* (3)

The field and purpose of cost accounting; methods and principles involved in handling and accounting for the charges against materials and labor, the distribution of overhead expenses. Prerequisite: Courses 21-22. (Not given in 1930-31.) Owens

140. *Auditing* (3)

Qualifications, duties, and responsibilities of the public auditor. The principles involved and procedures used in making audits, detection of errors. Prerequisite: Courses 21-22 and 3 additional semester hours in accounting. Monday, Wednesday, Friday, 6:10 p. m. Owens

141-142. *Labor Organization and Problems* (3-3)

Tuesday, Thursday, Saturday, 6:10 p. m. Johnson

143. *Accounting Theory and Problems* (3)

The solution of accounting problems and discussion of the accounting principles involved. Most of the problems are taken from the state examinations for the certificate of certified public accountant. Prerequisites: Courses 137-138. Monday, Wednesday, Friday, 6:10 p. m. Owens

145. *Managerial Accounting* (3)

The use of accounting records and reports in controlling the various phases of activity of industrial and commercial enterprises. Special emphasis is placed upon the preparation and use of budgets for private businesses. Prerequisites: Courses 21-22. (Not given in 1930-31.) Summer Term 1930: Daily except Saturday, 7:00 p. m. Owens

147. *Marketing* (3) Simmons
Principles, methods, and problems, including the national "distribution problem." Prerequisites: Courses 1-2. Tuesday, Thursday, Saturday, 5:10 p. m.
150. *Exporting and Importing* (3) Simmons
The procedure and practices of exporting and importing. Prerequisites: Courses 1-2. Tuesday, Thursday, Saturday, 5:10 p. m.
- †151-152. *Insurance* (3-3) Robbins
Historical background; classification of coverages and carriers; developments to meet social needs; supervision by different states; possibilities for life work in Home Office and selling field. Emphasis upon personal insurance, and especially life insurance, including policy provisions, underwriting practices, Home Office organization, mortality tables and premium calculations, financial statements, methods of surplus distribution and selling methods. Monday, Wednesday, Friday, 7:45 p. m.
- †153-154. *Principles of Transportation* Donaldson
Principles of railway transportation, with emphasis upon national railway policies; principles of ocean transportation, with special attention to mercantile marine policies of the United States and other leading nations; highway and air transport. Prerequisite: Courses 1-2. (Not given in 1930-31.)
- †159-160. *Commercial and Maritime Law* (3-3) Upham
The principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of Admiralty Law. Tuesday, Thursday, Saturday, 6:10 p. m.
166. *Relation of Government to Business* (3) Donaldson
Politico-economics: interrelation of political and economic institutions; property and contract and the state; the competitive system versus socialism; government regulation of monopoly and of trade practices; public utilities; national problems and policies. Prerequisite: Courses 1-2. (Not given in 1930-31.)
- †191-192. *International Economic Relations* (3-3) Donaldson
Principles and policies of the economic relations of nations: structure of world economy; geographic, social, political,

legal, territorial factors; industrial bases; international trade, transportation, finance; includes comprehensive and coordinated treatment of tariff principles and systems, commercial treaties, foreign concessions and spheres of influence, world combines, double taxation, world market controls, foreign investments, ship subsidies, and other outstanding economic and politico-economic policies and problems of foreign affairs. Monday, Wednesday, Friday, 5:10 p. m.

THIRD SECTION

- 221-222. *Seminar in Economic Theory* (3-3) Johnson
History of economic thought; critical study of types of economic theory, with emphasis upon value and distribution. Monday, 7:45 p. m.
251. *Seminar* Donaldson
Summer Term 1930: Wednesday, 7:30 p. m.
- 291-293. *Seminar* (3-3) The Staff
Research in national and international economic problems and policies. Wednesday, 7:45 p. m.

EDUCATION

- WILLIAM CARL RUEDIGER, PH.D., *Professor of Education.*
 WILLIAM CULLEN FRENCH, PH.D., *Professor of Education, Executive Officer.*
 FRANK WASHINGTON BALLOU, PH.D., *Professorial Lecturer in Education.*
 JESSIE ELIZABETH LASALLE, A.M., *Professorial Lecturer in Education.*
 MANDEL SHERMAN, M.D., PH.D., *Professorial Lecturer on Child Development.*
 TENJES HENRY SCHUTTE, PH.D., *Visiting Professor of Education.*
 EHRLICH EDWARD SMITH, A.M., *Visiting Professor of Education.*
 J. ORIN POWERS, PH.D., *Associate Professor of Education.*
 JAMES ALLAN HICKS, PH.D., *Lecturer in Education.*
 LEWIS RAYMOND ALDERMAN, A.B., *Lecturer on Adult Education.*
 MAUDE ELEANOR AITON, A.M., *Lecturer on Americanization.*
 FLORENCE VAN AUKEN WATKINS, B.L., *Lecturer on Parental Education.*
 EARL WINGERT BARNHART, B.L., *Lecturer on Commercial Education.*
 RUTH MARY AUBECK, B.S., *Instructor in Physical Education for Women.*
 BERNICE RANDALL ANGELICO, A.B., *Instructor in Music.*

Minimum requirements for the major: 24 semester-hours, in addition to History of Education and Observation and Practice Teaching, so selected as to bear upon a specific type of school service.

SECOND SECTION

102. *Educational Psychology* (3) Hunr
 See Psychology 102 and 104.
105. *Character Education* (2) LaSalle
 Materials and methods of character development in the home, school, and community. Saturday, 9:10 to 11:00 a. m.
107. *The Exceptional Child* (2) LaSalle
 Gifted, backward, sub-normal, neurotic and morally and socially inadequate children. Standard tests and other methods of measuring individual differences. (Not given in 1930-31.)
108. *Effective Study* (2) LaSalle
 Prevalent weaknesses in study and their causes. Finding and organizing fundamental ideas; attacking assignments; using syllabi; note taking; outlining; summarizing; memo-

- rizing. Special attention is given to supervised study. Saturday, 9:10 to 11:00 a. m.
- 109-110. *Child Development* (2-2) Hicks
A review of the existent knowledge in the physiological, psychological, and psychiatric development of children. Wednesday and Friday, 4:10 p. m.
111. *History of Education* (3) French, Powers
A course in the development of educational theory and practice from ancient times to the present. Tuesday, Thursday, Saturday, 10:10 a. m. *Summer Term 1930*: (3) daily except Saturday, 7:40 a. m.
112. *History of American Education* (3) French
The development of the American school system with special reference to administrative features and social relationships. Tuesday, Thursday, Saturday, 10:10 a. m.
115. *Principles of Education* (3) Ruediger
The bases, meaning, objectives and content of education, with special reference to the principles underlying the curriculum. *Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 5:10 p. m.
126. *Technique of Teaching* (3) Ruediger, Smith
The principles underlying the teaching process with special reference to the nature and meaning of the subject-matter taught. *Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930*: (2) daily except Saturday, 9:40 a. m.
128. *Observation* (3) Powers
Observation of experienced teachers, under guidance, followed by conference. The course should normally be taken in the junior year. Hours to be arranged.
129. *Practice Teaching* (3) Powers
Teaching under supervision and criticism. The course should normally be taken in the senior year. Hours to be arranged.
136. *Tests and Measurements* (2) LaSalle, Schutte
The present status and significance of the measurements of educational achievement and the utilization of the data obtained in guiding instruction and study. (Not given in 1930-31). See *Psychology* 119, 120, 251-252. *Summer Term 1930*: (2) daily except Saturday, 10:40 a. m.

143. *Trends in Elementary Education* (2) Smith
Summer Term 1930: Daily except Saturday, 11:40 a. m.
- 147-148. *Elementary Education* (2-2) French
Psychology of the elementary school subjects. Analyses of the learning processes in reading, composition, arithmetic, geography, history, etc., with special reference to methods of instruction. Saturday, 11:10 a. m. to 1:00 p. m.
- 149-150. *Elementary School Curriculum* (2-2) French
Principles of curriculum construction; objectives of elementary education; organization of subject-matter; examination of curricula, syllabi, and texts. Tuesday and Thursday, 4:10 p. m.
151. *The High School* (3) Powers, Schutte
Recent growth in secondary education; aims and functions; types of reorganization; program of study; classification and guidance; extra-curricular activities; plant; costs; standardization, theory and practice of teaching. Monday, Wednesday, Friday, 5:10 p. m. Summer Term 1930: Daily except Saturday, 7:40 a. m.
152. *The Junior High School* (3) Powers
The special purposes of the junior high school and the appropriate reorganization to achieve them: The program of studies; classification of pupils; types of reorganization; history of the movement. Monday, Wednesday, Friday, 5:10 p. m. Summer Term 1930: (2) Daily except Saturday, 9:40 a. m.
153. *The Junior High School* (3) Powers
Course 152 repeated. Monday, Wednesday, Friday, 6:10 p. m.
155. *Guidance in Secondary Schools* (2) Powers
Practices in education and vocational guidance in junior and senior high schools; vocational information; utilizing test results and school marks; organizing the staff for guidance. Prerequisite: General Psychology and Education 151-152 or the equivalent. (Not given in 1930-31.)
156. *Extra-Curricular Activities* (2) Powers
Types of activities in junior and senior high schools; aims and values; practices in organizing, administering, and supervising; methods of evaluation. Prerequisite: Education 151-152 or the equivalent. (Not given 1930-31.)

157. *The Social Studies* (2) Schutte
Summer Term 1930: Daily except Saturday, 8:40 a. m.
158. *Teaching of English* (3) Croissant
 Tuesday, Thursday, Saturday, 11:10 a. m.
159. *The Teaching of Public Speaking* (3) Yeager
 Organization of high school and college courses; methods of teaching reading, interpretation, dramatics, public speaking and debate; coaching of debates and plays; standards of criticism. Prerequisite: six hours of Public Speaking or permission of the instructor. *Summer Term 1930: Daily except Saturday, 7:40 a. m.*
- 161-162. *Parent-Teacher Movement* (2-2) Watkins
 First semester: Objectives and significance; national, state and local organizations; fields of activity; relation to educational, social and welfare agencies. Second semester: Parental education; efficient child training; the home and school as social institutions; home and school cooperation; helpful parent-teacher programs. Tuesday, 7:30 to 9:30 p. m.
- 165-166. *Americanization* (2-2) Aiton
 Methods of teaching English, civics and related subjects to foreigners. Consideration will be given to racial backgrounds, immigration laws, naturalization laws, and conceptions of Americanization. (Not given 1930-31.)
- 169-170. *Adult Education* (3-3) Alderman
 A course emphasizing the organization of adult education in the community, its special reference to the use of libraries, museums, clubs, workers' education, special lectures and forums, and other educational agencies. Tuesday, 7:30 to 9:30 p. m. and field assignments.
184. *School Administration* (3) Powers
 Present status and tendencies in organization and administration of school systems with interpretations; problems of administrations. Monday, Wednesday, Friday, 6:10 p. m.
185. *Teaching of Home Economics* (3) Kirkpatrick
 This course treats the application of psychological principles to the teaching of Home Economics subject matter. Tuesday, Thursday, Saturday, 9:10 to 10:00 a. m.

186. *Supervision* (3) Powers
Objectives; prevailing practices; technique of class-room visitation; improving instruction; stimulating initiative and professional growth; developing *esprit de corps*; functions of teachers' meetings; teacher rating. (Not given 1930-31.)

- 187-188. *The Elementary School Principalship* (2-2) French
First semester: The functions and opportunities of the school principal. Second semester: Principles and practices of constructive supervision. Tuesday and Thursday, 5:10 p. m. *Summer Term 1930*: Course 187 (2), daily except Saturday, 8:40 a. m.

THIRD SECTION

- 209-210. *Seminar* (3-3) Sherman
A research course in psychiatric problems of child development. Tuesday and Thursday, 4:10 p. m.

- 211-212. *Education Origins* (3-3) French
First semester: A study of the development of American educational institutions, ideals, practices, curricula and textbooks as revealed by documentary evidence.
Second semester: Educational classics. A study of the educational principles presented in the writings of such men as Plato, Aristotle, Quintilian, Comenius, Huxley, and Spencer. Tuesday, 7:30 to 9:30 p. m.

- 247-248. *Seminar* (3-3) French
Experimental education; a survey of inductive studies; investigations and reports. Thursday, 7:30 to 9:30 p. m. *Summer Term 1930*: (3) Daily, 9:40 a. m.

- 251-252. *Seminar* (3-3) Powers
Research problems in Secondary Education. Primarily for graduate students who are working on theses or other research problems. Tuesday, 7:30 to 9:30 p. m.

- 277-278. *Commercial Education* (3-3) Barnhart
First semester: Research in materials and procedures for teaching shorthand. Second semester: Research in materials and procedures for teaching typewriting. Thursday, 7:30 to 9:30 p. m.

- 279-280. *Seminar* (3-3) Ruediger
A study of teacher-training institutions, curricula and methods, with reference to European practices. Tuesday and Thursday, 6:10 p. m.

283-284. *Research Problems* (3-3)

Ballou

The direction of investigations in the field of public school education. Consultation hours arranged.

285-286. *Seminar* (3-3)

Powers

Topic for 1930-31: High School Administration. Tuesday and Thursday, 5:10. *Summer Term 1930*: Course 285 (3), daily except Saturday, 11:40 a. m.

291-292. *Thesis* (3-3)

Staff

Students working on master's theses will register for this course. Wednesday, 7:30 to 9:30 p. m.

ELECTRICAL ENGINEERING

NORMAN BRUCE AMES, B.S., E.E., LL.B., *Professor of Electrical Engineering, Executive Officer.*

PAUL REVERE NASH, B.S., *Assistant Professor of Electrical Engineering.*

Requirements for the degree in Electrical Engineering: See curricula on page 157.

FIRST SECTION

- 9-10. *Electrical Engineering (3-3)* Ames and Nash

First semester: A comprehensive course covering magnetic and electric circuits, direct current instruments and machines, storage batteries and other applications of direct currents. Second semester: Theory of alternating current circuits, instruments and machines. Required of all engineering students. Prerequisites: Physics 16, Mathematics 20. *Section A*, Monday, Wednesday, Friday, 11:10 a. m.; *Section B*, Monday, Wednesday, Friday, 5:10 p. m.

- 13-14. *Electrical Laboratory (2-2)* Ames and Nash

Experiments in direct and alternating currents and direct and alternating current machinery. Prerequisite: Course 10 or concurrently therewith. Laboratory fee \$5.00 a semester. *Section A*, Monday, 1:10 p. m. *Section B*, Friday, 1:10 p. m. *Section C*, Monday, 7:30 p. m. *Section D*, Friday, 7:30 p. m.

- 17-18. *Electrical Laboratory (2-2)* Ames and Nash

A course in measurements and D. C. dynamo laboratory. Prerequisite: Courses 9-10, Physics 16. Laboratory fee \$5.00 a semester. *Section A*, Monday, 1:10 p. m. *Section B*, Friday, 1:10 p. m. *Section C*, Monday, 7:30 p. m. *Section D*, Friday, 7:30 p. m.

SECOND SECTION

- 121-122. *Alternating Current Theory and Machinery (4-4)* Ames

A continuation of Course 10, including a brief review of alternating current theory covered therein and a thorough study of synchronous generators, transformers, synchronous motors, rotary converters, and various asynchronous machines, including single and polyphase induction motors, series and repulsion motors. Prerequisite: Course 10. Tuesday, Wednesday, Thursday, 5:10 p. m.; Wednesday, 6:10 p. m.

- 125-126. *Transmission and Distribution* (2-2) Nash
 Mechanical and electrical characteristics of transmission lines. Approximate and rigorous solutions by means of hyperbolic trigonometry. Steady state and elementary transient considerations. The more important phases of distribution of electrical energy for light and power; systems of distribution, voltage regulation, metering and transformer practice. Prerequisite, or concurrently with, Course 121. Monday and Friday, 6:10 p. m.
- 133-134. *Advanced Electrical Laboratory* (2-2) Ames and Nash
 A continuation of Course 17-18, with experiments on alternating current circuits and machinery, including watt hour-meters, transformers, synchronous and asynchronous generators and motors, lightning arresters, and use of the oscillograph. Prerequisite: Course 122 or concurrently therewith. Laboratory fee \$5.00 a semester. *Section A*, Monday, 1:10 p. m. *Section B*, Friday, 1:10 p. m. *Section C*, Monday, 7:30 p. m. *Section D*, Friday, 7:30 p. m.
136. *Hydro-Electric Engineering* (2) Nash
 Present-day theory and practice in Hydro-Electric Engineering, including so much of hydraulics as is essentially applied and the equipment required for a complete hydro-electric station and system. Prerequisite: Civil Engineering 134 and Course 10. Tuesday and Thursday, 6:10 p. m.
137. *Electric Railways* (2) Ames
 Theory and practice of modern direct and alternating current railways. Prerequisite: Courses 121-122 or concurrently therewith. Monday and Friday, 5:10 p. m.
139. *Illumination* (2) Nash
 The principles and practices of scientific illumination, exterior and interior. Detailed study of various light sources, lamps, shades, reflectors, etc. Prerequisite: Physics 8 or 10. Tuesday and Thursday, 6:10 p. m.
140. *Electrical Design* (3) Ames
 Principles of design with reference to materials of construction, and electrical equipment. Practical exercises are assigned in connection with class-room work. Prerequisite: Course 121. Drafting room fee \$1.00. Monday and Friday, 5:10 p. m. and Wednesday 7:30 p. m.

ENGLISH

- WILLIAM ALLEN WILBUR, A.M., Litt.D., *Professor of English.*
 DEWITT CLINTON CROISSANT, Ph.D., *Professor of English, Executive Officer.*
 ROBERT WHITNEY BOLWELL, Ph.D., *Professor of American Literature.*
 ANNA PEARL COOPER, A.M., *Associate Professor of English.*
 AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*
 COURTLAND DARKE BAKER, A.M., *Assistant Professor of English.*
 DOUGLAS BEMENT, A.M., LL.B., *Assistant Professor of English.*
 ALICE MORTON BALL, A.B., *Lecturer on Editing.*
 ERNEST SEWALL SHEPARD, A.M., *Instructor in English.*
 MARTHA GIBBON, A.M., *Instructor in English.*
 PAUL SWAIN HAVENS, Litt.B., *Visiting Instructor in English.*
 DANIEL CHAMPLIN CHACE, A.B., *Associate in Journalism.*

Minimum requirements for the major: Four second section courses in literature, two of which are selected from: 129-130; 141-142; 151-152; 171-172. Courses 51-52 or 91-92 are prerequisites for second section courses in literature; 51-52 is taken by those majoring in English, but if 91-92 is taken in the Sophomore year, 51-52 counts on the major.

FIRST SECTION

- 1-2. *English Rhetoric* (3-3) Wilbur and Staff
 Section A, Tuesday, Thursday, Saturday, 10:10 a. m. Section B, Monday, Wednesday, Friday, 5:10 p. m. Summer Term 1930: Course 1, daily except Saturday, 5:10 p. m.; Course 2, daily except Saturday, 6:10 p. m.
- 3-4. *English Rhetoric* (3-3) Gibbon
 Special course for Foreign Students carrying credit for English Rhetoric: Taken only by assignment of The Adviser to Foreign Students. Monday, Wednesday, Friday, 5:10 p. m.
- 9-10. *English Composition* (3-3) Bement, Gibbon
 Section A, Tuesday, Thursday, Saturday, 10:10 a. m.; Section B, Tuesday, Thursday, Saturday, 11:10 a. m.; Section C, Tuesday, Thursday, Saturday, 5:10 p. m.; Section D, Monday, Wednesday, Friday, 6:10 p. m.; Section E, Tuesday, Thursday, Saturday, 6:10 p. m.

51-52. *Survey of English Literature* (3-3) Smith and Staff
 Section A, Tuesday, Thursday, Saturday, 9:10 a. m.; Section
 B, Monday, Wednesday, Friday, 6:10 p. m. Summer Term
 1930: Course 51, daily except Saturday, 5:10 p. m.; Course
 52, daily except Saturday, 6:10 p. m.

91-92. *Types of European Literature* (3-3) Shepard and Staff
 Section A, Monday, Wednesday, Friday, 9:10 a. m.; Section
 B, Monday, Wednesday, Friday, 10:10 a. m.; Section C,
 Monday, Wednesday, Friday, 11:10 a. m. Section D, Tues-
 day, Thursday, Saturday, 12:10 p. m.; Section E, Tuesday,
 Thursday, Saturday, 5:10 p. m.; Section F, Tuesday, Thurs-
 day, Saturday, 6:10 p. m.; Section G, Monday, Wednes-
 day, Friday, 5:10 p. m.

SECOND SECTION

†115-116. *The Short Story* (3-3) Bement
 Open to students only with the consent of the instructor,
 after submitting a specimen of original composition. Section
 A, Tuesday, Thursday, Saturday, 9:10 a. m. Section B,
 Tuesday, Thursday, Saturday, 5:10 p. m.

117-118. *Creative Writing* (3-3) Bement
 Open to students with the consent of the Instructor, after
 submitting a specimen of original composition. Thursday,
 7:10 p. m.

†119-120. *Journalism* (3-3) Chase
 Monday, Wednesday, Friday, 5:10 p. m.

121. *Proof-reading* (3) Ball
 Prerequisite: Course 1-2 or 9-10. Monday, Wednesday,
 Friday, 6:10 p. m.

122. *Book-editing* (3) Ball
 Prerequisite: Course 121. Monday, Wednesday, Friday,
 6:10 p. m.

†125-126. *Anglo-Saxon Grammar and Literature* (3-3) Seibt
 Monday, Wednesday, Friday, 4:10 p. m.

127-128. *Middle English and Chaucer* (3-3) Baker
 Monday, Wednesday, 7:10 p. m.

- 129-130. *Renaissance and Elizabethan Literature* (3-3) Cooper
Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930*:
Course 130 (3), daily except Saturday, 5:10 p. m.; Course
131 (2), daily except Saturday, 9:40 a. m.
- 135-136. *Shakespeare* (3-3) Wilbur
First semester: The Comedies; Second semester: The Trage-
dies.
Monday, Wednesday, Friday, 10:10 a. m.
137. *Shakespeare, The English Historical Plays* Wilbur
Summer Term 1930: (2) Daily except Saturday, 4:10 p. m.
138. *Shakespeare, The Philosophies*
(Not given in 1930-31.)
- 141-142. *The Neo-classical Movement* (3-3) Croissant
Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term*
1930: Course 142 (3), daily except Saturday, 7:00 p. m.
- 151-152. *The Romantic Movement* (3-3) Smith
Tuesday, Thursday, Saturday, 11:10 a. m. *Summer Term*
1930: Course 151 (2), daily except Saturday, 11:40 a. m.
155. *Wordsworth, "The Prelude"* (3) Wilbur
Monday, Wednesday, Friday, 6:10 p. m.
161. *Victorian Poetry* Havens
Summer Term 1930: Daily except Saturday, 10:40 a. m.
164. *Browning, "The Ring and the Book"* (3) Wilbur
Monday, Wednesday, Friday, 6:10 p. m.
- 165-166. *Contemporary Literature* (3-3) Baker
Monday, Wednesday, Friday, 5:10 p. m.
- 171-172. *American Literature* (3-3) Bolwell
Monday, Wednesday, Friday, 12:10 p. m.
- 181-182. *The Novel* (3-3) Cooper
Monday, Wednesday, Friday, 5:10 p. m.
- 183-184. *The English Drama* (3-3) Croissant
Tuesday, Thursday, Saturday, 10:10 a. m.
186. *Elizabethan Drama* (3) Baker
Summer Term 1930: Daily except Saturday, 6:10 p. m.

193. *The Appreciation of Literature* (3) Croissant
An elementary course in the criticism and principles of literature. Tuesday, Thursday, Saturday, 11:10 a. m.

THIRD SECTION

- †229-230. *Studies in Elizabethan Literature* (3-3) Cooper
Prerequisite 129-130. Tuesday evening; hour to be arranged.
- †241-242. *Studies in Neo-classical Literature* (3-3) Croissant
Prerequisite 141-142. Wednesday evening; hour to be arranged.
- †251-252. *Studies in the Romantic Movement* (3-3) Smith
Thursday evening; hour to be arranged.
- 269-270. *Early American Literature* (3-3) Bolwell
Monday, Wednesday, Friday, 5:10 p. m.
- †271-272. *Studies in American Literature* (3-3) Bolwell
Prerequisite 171-172 or 269-270. Friday evening; hour to be arranged. Summer Term 1930: (3) Monday, Wednesday, Friday, 5:10 p. m.

GEOLOGY AND GEOGRAPHY

RAY SMITH BASSLER, PH.D., *Professor of Geology, Executive Officer.*

CHARLES ELMER RESSER, PH.D., *Lecturer in Geography.*

EDWARD PORTER HENDERSON, M.S., *Associate in Geology.*

Minimum requirements for the major: 24 semester hours in Geology and Mineralogy, not including introductory course.

GEOLOGY

FIRST SECTION

- †1-2. *Elementary Mineralogy* (2-2) Henderson
Lectures and laboratory. Material fee \$3.00 a semester. Monday and Friday, 5:10 p. m. *Summer Term 1930:* Daily except Saturday, 7:40 a.m.
- †11-12. *Mineralogy* (3-3) Henderson
Descriptive and determinative. Lectures and laboratory. Prerequisite: Chemistry 4 or 6. Material fee \$4.00 a semester. Monday, Wednesday, Friday, 6:10 p. m.
- †21-22. *Physical and Historical Geology* (3-3) Bassler
A general course and also introductory to all work in geology. *Lecture*—Monday and Friday, 6:10 p. m. *Field Work*—Hours to be arranged. *Summer Term 1930:* (6), daily except Saturday, 5:10 to 7:00 p. m. For six weeks with field and laboratory work to be arranged.

SECOND SECTION

- 111-112. *Economic Geology* (3-3) Bassler
Lectures and seminar work. Prerequisite: Courses 11-12. Hours to be arranged. (Given in 1930-31 and alternate years.)
- 121-122. *Paleontology* (3-3) Bassler
Lectures and laboratory. Prerequisite: Zoology 1-2 or equivalent. (Given in 1931-32 and alternate years.)
- 123-124. *Regional Geology of North America* (3-3) Bassler
Lectures and seminar work. Prerequisite: Courses 21-22, and 1-2, or 11-12. (Given in 1931-32 and alternate years.)
- 125-126. *Regional Geology of South America and Eastern Hemisphere* (3-3) Bassler
Lecture and seminar work. Prerequisite: Courses 21-22. (Given in 1930-31 and alternate years.) Hours to be arranged.

THIRD SECTION

- 211-212. *Advanced Mineralogy* Bassler
Credit and hours to be arranged.
- 215-216. *Advanced Geology* Bassler
Credit and hours to be arranged.
Summer Term 1930. Credit and hours to be arranged.
- 219-220. *Advanced Paleontology* Bassler
Credit and hours to be arranged.

GEOGRAPHY

FIRST SECTION

5. *Physical Geography* (3) Resser
Climate, biogeography and physiography. Lecture and laboratory work. Monday, Wednesday, Friday, 6:10 p. m.
8. *Geography of North America* (3) Resser
A regional study of the continent. Monday, Wednesday, Friday, 6:10 p. m.

SECOND SECTION

- †111-112. *Human Geography* (3-3) Resser
An advanced course in the principles of geography. Prerequisite: Course 5. Monday, Wednesday, Friday, 5:10 p. m.

THIRD SECTION

- 201-202. *Geography Seminar* (3-3) Resser
Hours to be arranged.

GERMANIC LANGUAGES AND LITERATURE

EDWARD HENRY SEHRT, PH.D., *Professor of German, Executive Officer.*

*PAUL EUGENE GROPP, A.M., *Instructor in German.*

THEODORE ROSKAM JEHNE, A.M., *Instructor in German.*

ARTHUR HOWARD HUGHES, A.M., *Instructor in German.*

Minimum requirements for the major: 24 semester hours above the elementary course (1-2, or the equivalent).

FIRST SECTION

†1-2. *Elementary German* (3-3) Jehne, Hughes

The essentials of German grammar and translation of easy prose. *Section A*, Monday, Wednesday, Friday, 9:10 a. m.; *Section B*, Monday, Wednesday, Friday, 10:10 a. m.; *Section C*, Tuesday, Thursday, Saturday, 9:10 a. m.; *Section D*, Monday, Wednesday, Friday, 5:10 p. m.; *Section E*, Monday, Wednesday, Friday, 6:10 p. m.; *Section F*, Tuesday, Thursday, Saturday, 5:10 p. m.; *Section G* (Begins second semester and continues in first semester fall term), Monday Wednesday, Friday, 10:10 a. m. *Summer Term 1930: Course 1*, daily except Saturday, 5:10 to 6:00 p. m.

†5-6. *Second Year German* (3-3) Jehne, Hughes

Selections from German prose and poetry, conversation and composition. Prerequisite: Courses 1-2. *Section A*, Monday, Wednesday, Friday, 11:10 a. m.; *Section B*, Monday, Wednesday, Friday, 5:10 p. m.; *Section C*, Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930: Course 5*, daily except Saturday, 6:10 to 7:00 p. m.

†9-10. *Scientific and Technical German* (3-3) Hughes

Primarily for students in the scientific and engineering courses. Prerequisite: Courses 1-2. Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930: Course 9*, daily except Saturday, 7:40 a. m.

†17-18. *Readings in Modern German Literature* (3-3) Sehrt

Advanced prose composition. Prerequisite: Courses 5-6. Monday, Wednesday, Friday, 6:10 p. m.

*On leave 1930-1931.

SECOND SECTION

- †101-102. *Goethe's "Faust"* (3-3) Sehrt
 Monday, Wednesday, Friday, 5:10 p. m. (Not given in
 1930-31.)
- 107-108. *Rapid Readings in Contemporary German Literature* (3-3) Sehrt
 Private reading and reports. Monday, Wednesday, Friday,
 5:10 p. m. (Not given in 1930-31.)
- 109-110. *The German Drama of the Nineteenth and Twentieth Cen-
 turies* (3-3) Sehrt
 Representative dramas of Kleist, Grillparzer, Hebbel,
 Hauptmann and others. Monday, Wednesday, Friday, 5:10
 p. m. (Not given in 1930-31.)
- †111-112. *The German Romantic Movement* (3-3) Sehrt
 Monday, Wednesday, Friday, 5:10 p. m.
- †119-120. *Survey of German Literature* (3-3) Sehrt
 Readings and reports. Tuesday, Thursday, Saturday, 5:10
 p. m. (Not given in 1930-31.)
- *125-126. *Anglo-Saxon Grammar and Literature* (3-3) Sehrt
 Monday, Wednesday, Friday, 4:10 p. m.

THIRD SECTION

- †201-202. *Middle High German* (3-3) Sehrt
 Introductory course. Hours to be arranged.
- †205-206. *Gothic* (3-3) Sehrt
 Introduction to comparative Indo-European Grammar. Hours
 to be arranged.
- †209-210. *Old High German* (3-3) Sehrt
 The development of the German language. Hours to be
 arranged.
- 213-214. *Old Norse* (3-3) Sehrt
 Introductory course. Hours to be arranged.
221. *General Introduction to Linguistics—Elementary Phonetics* Sehrt
 (Open to students only with the consent of the instructor.)
 The purpose of this course is to furnish a general foundation

* Note: See English 125-126.

for the scientific study of language. Credits to be arranged.
Monday, Wednesday, Friday, 7:10 p. m.

222. *Indo-European Languages—General Course*

Michelson, Doyle, Sehr

Application of the laws of sound change to the more important Indo-European languages. Origin and development of suffixes and inflections. Syntax. Credits to be arranged.
Monday, Wednesday, Friday, 7:10 p. m.

GRAPHIC ART

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*
 SAMUEL BURTIS BAKER, *Professorial Lecturer and Critic in Drawing and Painting.*

EUGEN WEISZ, *Lecturer and Critic in Graphic Art.*

ETHEL BRAY, PH.B., A.M., *Lecturer in Graphic Art.*

ALBERT NELSON DAVIS, *Associate in Graphic Art.*

Minimum requirements for the major: See the curriculum on page 201.

FIRST SECTION

1-2. *Elementary Antique (2-2)*

Instruction from the antique in the elements of charcoal drawing, sketching, and anatomy. Drawing Room fee—\$3.00 a semester. *Section A*, Monday and Thursday, 1:10 to 4:10 p. m. *Section B*, Monday and Friday, 7:30 to 10:30 p. m. Davis

3-4. *Advanced Antique (2-2)*

Instruction from the antique in advanced problems of light and shade, sketching and anatomy. Prerequisite: Course 2. Drawing Room fee \$3.00 a semester. *Section A*, Monday and Thursday, 1:10 to 4:00 p. m. *Section B*, Monday and Friday, 7:30 to 10:30 p. m. Davis

5-6. *Pencil and Pen and Ink Drawing (1-1)*

Outdoor sketching and drawing from photographs of architectural subjects and landscapes. Drawing Room fee—\$3.00 a semester. *Section A*, Tuesday, 1:10 to 4:00 p. m. *Section B*, Wednesday, 7:30 to 10:30 p. m. Summer Term 1930: Daily except Saturday, *Section A*, 8:40 to 11:00 a. m.; *Section B*, 5:10 to 7:40 p. m. Weisz

21-22. *Water Color (2-2)*

Still life and outdoor sketching. Prerequisite: Graphic Art 2. Drawing Room fee \$3.00 a semester. *Section A*, Tuesday and Wednesday, 1:10 to 4:00 p. m. *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m. Summer Term 1930: Course 21 or 22, daily except Saturday, *Section A*, 8:40 to 11:00 a. m.; *Section B*, 5:10 to 7:40 p. m. Weisz

SECOND SECTION

- 101-102. *Life Class (2-2)* Baker
Drawing from the nude model. Prerequisite: Course 4.
Drawing Room fee—\$3.00 a semester. *Section A*, Wednesday and Thursday, 1:10 to 4:00 p. m.; *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m.
- 103-104. *Advanced Life Class (2-2)* Baker
Drawing from the nude model and composition. Prerequisite: Course 102. Drawing Room fee—\$3.00 a semester. *Section A*, Wednesday and Thursday, 1:10 to 4:00 p. m. *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m.
105. *Advanced Pencil and Pen and Ink Drawing (2)* Weisz
Prerequisite: Course 6. Drawing Room fee—\$3.00 a semester. *Section A*, Tuesday and Friday, 1:10 to 4:00 p. m.; *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m. *Summer Term 1930*: Daily except Saturday, *Section A*, 8:40 to 11:00 a. m.; *Section B*, 5:10 to 7:40 p. m.
- †111-112. *History of Sculpture and Painting (2-2)* Bibb
A comparative study of the development of art as the expression of civilization. Monday and Wednesday, 5:10 p. m.
- 115-116. *Art Appreciation (1-1)* Bray
Fundamental elements and principles of Art. Monday, 4:30 p. m.
122. *Water Color (2)* Weisz
Sketching. Prerequisite: Graphic Art 22. Drawing Room fee \$3.00. *Section A*, Tuesday and Friday, 1:10 to 4:00 p. m. *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m. *Summer Term 1930*: Daily except Saturday, *Section A*, 8:40 to 11:00 a. m.; *Section B*, 5:10 to 7:40 p. m.
123. *Sketching in Oil (2)* Weisz
Sketching and composition of landscape and architectural subjects. *Summer Term 1930*: Daily except Saturday, *Section A*, 8:40 to 11:00 a. m.; *Section B*, 5:10 to 7:40 p. m.
- 131-132. *Still Life Painting (2-2)* Baker
Prerequisite: Graphic Art 22. Drawing Room fee \$3.00 a semester. *Section A*, Wednesday and Thursday, 1:10 to 4:00 p. m. *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m.

133-134. *Life Painting (2-2)*

Baker

Prerequisite: Graphic Art 102. Drawing Room fee \$3.00 a semester. *Section A*, Wednesday and Thursday, 1:10 to 4:00 p. m. *Section B*, Wednesday and Thursday, 7:30 to 10:30 p. m.

185-186. *Advanced Painting and Composition*
Credits and hours to be arranged.

Baker

HEALTH ADMINISTRATION

DANIEL LERAY BORDEN, M.D., A.M., *University Surgeon, Director.*

FRANK ADELBERT HORNADAY, M.S., M.D., *Consulting University Physician.*

JOHN PAUL EARNEST, JR., A.B., M.D., *Associate University Physician.*

KATHARINE ANTOINETTE CHAPMAN, A.B., M.D., *Associate University Physician for Women.*

HARRY ARNOLD HULL McNITT, A.M., M.D., *Associate University Physician.*

ROBERT HARMON, M.D., *Associate University Physician.*

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials the University attempts to keep informed as to all cases of sickness among its students, and see that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include:

(1) The physical examination of all students entering from secondary schools; (2) Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) Hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term. Necessity to be determined by the Director of Health Administration. Duration of hospitalization period (maximum two weeks) is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.

2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.

3. Students who have severed their connection with the University are ineligible for medical benefits.

4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.

5. During the Summer Session of the University the above regulations will apply with one exception: Hospitalization is not offered at this period.

1-2. *Personal Hygiene*

Chapman, Atwell

For women. A course designed to place before each student the ideal of a well balanced program for daily living, based on the general physiological laws of personal hygiene. (See Physical Education for Women.) Wednesday, 9:00, 10:00, or 11:00 a. m.

HISTORY

CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus.*

GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*

SAMUEL FLAGG BEMIS, PH.D., *Professor of History, Executive Officer.*

WESLEY FRANK CRAVEN, PH.D., *Visiting Professor of History.*

ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*

ALVA CURTIS WILGUS, PH.D., *Associate Professor of History.*

LOWELL JOSEPH RAGATZ, PH.D., *Assistant Professor of History.*

Minimum requirements for A.B. major in History, beginning 1930-31:
Courses 1-2; 23-24; 37-38; plus two second-section courses, for one of which second-section courses, with the approval of the Instructor, a third-section course may be substituted. Electives should be chosen from courses in anthropology, archaeology, geography, economics, political science, and the literature of the region of which the history is being studied.

FIRST SECTION

1-2. *American History* (3-3)

Bemis

A general introductory course in the history of the American Colonies and of the United States. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m. *Summer Term 1930:* Course 1, daily except Saturday, 6:10 p. m.

23-24. *Ancient and Medieval History* (3-3)

Kayser

A study of the Ancient Near East, Greece and Rome, and Europe to the year 1500. *Section A*, Tuesday, Thursday, Saturday, 9:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 5:10 p. m.

35. *General European History* (3)

Ragatz

Summer Term 1930: Daily except Saturday, 5:10 p. m.

37-38. *Modern European History* (3-3)

Ragatz

The development of Western civilization from the age of exploration to the present day. Primarily for freshmen. *Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 5:10 p. m.

SECOND SECTION

- 101-102. *American Constitutional History* (3-3) Churchill
The origins and development of the Constitution of the United States. Advised for pre-legal students. Prerequisite: Courses 1-2 or the equivalent. Tuesday, Thursday, Saturday, 10:10 a. m.
- 103-104. *History of the West* (3-3) Churchill
(Not given in 1930-1931.)
- †105-106. *History of the Foreign Relations of the United States* (3-3) Bemis
Prerequisite: Courses 1-2 or the equivalent. Monday, Wednesday, Friday, 9:10 a. m.
110. *The American Colonies and the British Imperial Problem* (2) Craven
Summer Term 1930: Daily except Saturday, 9:40 a. m.
- 141-142. *History of Modern Colonization* (3-3) Ragatz
(Not given in 1930-1931.)
143. *Modern Imperialism* (3) Ragatz
The expansion of Europe during the 19th and 20th centuries, with special reference to the partition of Africa and Asia and overseas rivalries of the western world powers. Prerequisite: A course in Modern European History. Monday, Wednesday, Friday, 5:10 p. m. Summer Term 1930: Daily except Saturday, 6:10 p. m.
144. *Economic History of Modern Europe* (3) Ragatz
The economic development of modern Europe since the middle ages, with particular emphasis on the influence of the industrial revolution on the structure of modern European civilization. Prerequisite: A course in Modern European History. Monday, Wednesday, Friday, 5:10 p. m.
145. *The Renaissance* (3) Kayser
Prerequisite: Course in General European History. Tuesday, Thursday, Saturday, 10:10 a. m.
146. *The Reformation* (3) Kayser
Prerequisite: Course in General European History. Tuesday, Thursday, Saturday, 10:10 a. m.

- 147-148. *Europe Since 1815* (3-3) Ragatz
The rise of nationalism following the French Revolution; the liberal political movement of the mid-nineteenth century; humanitarianism; political and economic rivalries of the world powers; background of the world war of 1914-1918, and political and economic and international development of the new Europe, and its overseas interests.
Prerequisite: A course in Modern European History. Tuesday, Thursday, Saturday, 9:10 a. m.
150. *Europe Since 1914* (3) Ragatz
(Not given in 1930-1931.)
Summer Term 1930: Daily except Saturday, 4:10 p. m.
- 151-152. *English History* (3-3) Churchill
A survey. Section A, Tuesday, Thursday, Saturday, 11:10 a. m. Section B, Monday, Wednesday, Friday, 5:10 p. m.
Summer Term 1930: Course 152, daily except Saturday, 7:40 a. m.
- 153-154. *English Constitutional History* (3-3) Churchill
The development of the English Constitution in its historical setting. Advised for pre-legal students. (Not given in 1930-1931.)
- 159-160. *The History of France* (3-3) Ragatz
Political, social and cultural development of the country from the Roman conquest to the Treaty of Versailles. Prerequisite: A course in Modern European History. (Not given in 1930-1931.)
163. *The French Revolution and the Napoleonic Era* (3) Ragatz
The important transitions—political, social, economic and intellectual—occurring in Europe from 1715 to 1815. Prerequisite: A course in Modern European History. (Not given in 1930-1931.)
164. *France Since 1815* (3) Ragatz
Political, social, economic and cultural history of France from 1815 to the present day. (Not given in 1930-1931.)
- 175-176. *Hispanic-American History* (3-3) Wilgus
Colonial Latin-America, and the development of the principal Latin-American republics. Tuesday, Thursday, Saturday, 5:10 p. m. Summer Term 1930: Course 176, daily except Saturday, 7:40 a. m.

THIRD SECTION

- †201-202. *Pro-seminar in History and Historians* (3-3) Churchill
History, its definition, scope, method; its relation to other
disciplines and to science; theories of history; study of lead-
ing historians to determine their conception of history.
Monday, Wednesday, Friday, 6:10 p. m.
Summer Term 1930: Course 201. Hours to be arranged.
- †203-204. *Pro-seminar in The American Revolution* (3-3) Bemis
Friday, 8:10 p. m.
- 205-206. *Pro-seminar in Modern European History* (3-3) Ragatz
(Not given in 1930-1931.)
- 207-208. *Pro-seminar in England under the Stuarts* (3-3) Churchill
(Not given in 1930-1931.) *Summer Term 1930: Course 207*
given under 297. Hours and credits to be arranged.
- 209-210. *Pro-Seminar in Inter-American Relations* (3-3) Wilgus
Period 1808-1824. Tuesday, Thursday, 6:10 p. m.
- 219-220. *Seminar in Hispanic-American History* (3-3) Wilgus
Prerequisites include a reading knowledge of Spanish or
Portuguese. Monday, 7:30 p. m.
- 221-222. *Seminar in the Diplomatic History of the United States* Bemis
Intensive research in the sources of some one period of
American diplomacy. A reading knowledge of French is
necessary, and of Spanish and German desirable, as well as
a solid knowledge of the history of the United States and
of Europe in general. Hours to be arranged.

HOME ECONOMICS

FRANCES KIRKPATRICK, A.M., *Assistant Professor of Home Economics, Executive Officer.*

EMELINE STORM WHITCOMB, A.M., *Lecturer in Home Economics.*

KATHRYN MILDRED TOWNE, A.M., *Instructor in Home Economics.*

Minimum requirements for the major: General Chemistry and 24 semester hours in Home Economics and related subjects, selected with the approval of the executive officer.

FIRST SECTION

1. *Food Selection* (3) Kirkpatrick
Study of composition and nutrition value of food, to furnish basis for intelligent food choice. Monday, Wednesday, Friday, 5:10 p. m.
2. *Food Selection* (3) Kirkpatrick
Course 1 repeated. Monday, Wednesday, Friday, 9:10 a. m.
3. *Food Preparation* (3) Kirkpatrick
Laboratory work in food preparation. (Must be accompanied or preceded by Courses 1 or 2.) Material fee \$7.50
Tuesday, Thursday, 5:10 to 8:00 p. m.
4. *Food Preparation* (3) Kirkpatrick
Course 3 repeated. Material fee \$7.50. Monday, Wednesday, 1:10 to 4:00 p. m.
21. *Clothing Selection* (3) Towne
Application of the principles of art, hygiene, and design to clothing selection; care of wardrobe; clothing costs and budget for different income levels. Monday, Wednesday, Friday, 9:10 to 10:00 a. m.
22. *Clothing Selection* (3) Towne
Course 21 repeated. Monday, Wednesday, Friday, 5:10 to 6:00 p. m.
23. *Clothing Construction* (3) Towne
Construction of wardrobe articles based on needs revealed through inventory. (Must be preceded or accompanied by Courses 21 or 22.) Material fee \$3.00. Monday, Wednesday, 1:10 to 4:00 p. m.

24. *Clothing Construction* (3) Towne
Course 23 repeated. Material fee \$3.00. Tuesday, Thursday, 5:10 to 8:00 p. m.
51. *Food Problems of the Household* (3) Kirkpatrick
Planning of meals to meet family needs at different economic levels; food budgets and market orders; marketing; preparation and service of typical meals; food preservation. Material fee \$3.00. *Lectures*—Monday, Wednesday, 11:10 a. m. to 12:00 noon. *Laboratory*—Friday, 11:10 a. m. to 1:00 p. m.
72. *Textiles* (3) Towne
Manufacture of cotton, wool, linen, and silks; tests for adulteration; history; selection and purchase of textile furnishing and wardrobe materials. Material fee \$3.00. *Lecture*—Monday, 3:10 p. m. *Laboratory*—Wednesday and Friday, 2:10 to 4:00 p. m.
91. *Household Problems* (3) Towne
An introductory course, planned to give the students a general insight into the field of Home Economics through a study of the social and economic problems of the modern home. Monday, Wednesday, Friday, 5:10 to 6:00 p. m.

SECOND SECTION

101. *Nutrition* (3) Kirkpatrick
Prerequisite: Courses 1-3 or 2-4; Chemistry 3-4 or 5-6; 51-52. A study of the principles of nutrition, digestion, and metabolism. Monday, Wednesday, Friday, 10:10 to 11:00 a. m.
102. *Dietetics* (3) Kirkpatrick
Prerequisite: Course 101. A study of the normal food requirements considering the individual, and planning diets for normal and special occasions. Material fee \$3.00. *Lecture*—Monday, Wednesday, 10:10 to 11:00 a. m. *Laboratory*—Friday, 10:10 a. m. to 12:00 noon.
- 103-104. *Special Problems in Food Preparation* (2-2) The Staff
A limited number of students will be given opportunity to work on special problems in laboratories of the Bureau of Home Economics. Hours to be arranged.
121. *Costume Design* (3) Towne
Study of Fine Art principles applied to dress, application of corrective measure; designing costumes on the lay figure.

Lecture—Monday, 11:10 a. m. to 12:00 noon. *Laboratory*—
Wednesday, Friday, 11:10 a. m. to 1:00 p. m.

142. *House Furnishing* (3) Towne
Application of principles of color and design to house furnishing; period furniture; household textiles; pictures and decorative objects; selection, arrangement, and cost of furnishing. Material fee \$3.00. *Lecture*—Monday, 11:10 a. m. *Laboratory*—Wednesday, Friday, 11:10 a. m. to 1:00 p. m.

151. *Experimental Cookery* (3) Kirkpatrick
Prerequisite: Courses 1-3 or 2-4. Analysis of problems of food preparation; application of principles of physics; chemistry and biology. Material fee \$7.50. Tuesday, Thursday, 10:10 a. m. to 1:00 p. m.

152. *Lunch-Room Management* (3) Kirkpatrick
A study of the problems underlying the management of the high school lunch-room including the purchasing and arrangement of equipment; menu making; buying, storage, and preparation of foods. Material fee \$7.50. Tuesday, Thursday, 10:10 a. m. to 1:00 p. m.

170. *Advance Dress Design and Construction* (3) Towne
Designing and draping costumes on forms; working out original designs. Material fee \$3.00. Tuesday, Thursday, 1:10 to 4:00 p. m.

192. *Home Management* (3)
Study of management of time and income in the home, with special emphasis upon selection of the house and equipment on basis of ease of care and sanitation. Monday, Wednesday, Friday, 5:10 to 6:10 p. m. (Not given in 1930-31.)

- 195-196. *Hospital Dietetics* (3-3)

THIRD SECTION

- 201-202. *Research Problems in Food Preparation and Utilization*
Time and credit to be arranged. The Staff of the Bureau of Home Economics.

- 211-212. *Research in Nutrition with experiments in Handling Animal Feeding Problems*
Time and credit to be arranged. The Staff of the Bureau of Home Economics.

- 219-220. *Seminar (3-3)* Kirkpatrick, Towne
The most recent work in various lines of home economics
will be reviewed and discussed. Wednesday, 7:10 to 9:00
p. m.
- 221-222. *Research Problems in Textile and Clothing Construction*
Time and credit to be arranged. The Staff of the Bureau
of Home Economics.
- 285-286. *Home Economics Education (3-3)* Whitcomb
Guidance of individual research. Hours to be arranged.

LAW

WENDELL PHILLIPS STAFFORD, A.M., LL.B., LL.D., Litt.D., *Professor Emeritus.*

WALTER COLLINS CLEPHANE, LL. M., *Professor of Law.*

EDWIN CHARLES BRANDENBURG, LL.M., *Professor of Law.*

JOHN PAUL EARNEST, A.M., LL.M., *Professor of Law.*

JOHN WILMER LATIMER, LL.B., *Professor of Law.*

† WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Professor of Law.*

CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law, Executive Officer.*

HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law.*

WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*

JOSEPH WINSTON COX, LL.B., *Professorial Lecturer in Law.*

CARL CRUMBIE WHEATON, A.B., LL.B., *Visiting Professor of Law.*

LOYD HALL SUTTON, S.B., LL.B., *Associate Professor of Law.*

WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*

WILLIAM THOMAS FRYER, A.B., LL.B., J.D., *Associate Professor of Law.*

SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., *Associate Professor of Law.*

CARVILLE DICKINSON BENSON, JR., A.B., LL.B., S.J.D., *Assistant Professor of Law.*

JAMES FORRESTER DAVISON, A.B., LL.M., S.J.D., *Assistant Professor of Law.*

LEVI RUSSELL ALDEN, A.M., LL.B., *Lecturer in Law.*

GILBERT LEWIS HALL, A.B., LL.B., *Lecturer in Law.*

CLARENCE ALTHA MILLER, LL.M., *Lecturer in Law.*

RALPH HOSKINS HUDSON, LL.B., *Graduate U. S. Naval Academy, Lecturer in Law.*

JAMES OLIVER MURDOCK, Ph.B., LL.B., *Lecturer in Law.*

JOHN MONTEITH MCFALL, A.M., LL.B., *Lecturer in Law.*

FREDERICK CHARLES O'CONNELL, LL.M., *Associate in Law and Clerk of the Moot Court.*

Moot Court of Appeals

LEON TOBRINER, LL.B., *Chief Justice.*

BRAINARD WARNER PARKER, LL.B., *Associate Justice.*

REGINALD SHIPPEN HUIDEKOPER, A.B., *Associate Justice.*

Requirement for the degrees in Law: See page 147.

FIRST YEAR SUBJECTS

101-102. *Agency (2-2)*

Fryer, Wheaton
Mechem's Cases on Agency (2nd edition by Seavey). Mon-
day and Wednesday, 12:10 p. m. Summer Session 1930:

† On sabbatical leave 1930-31.

Second term, Monday to Friday, inclusive, 5:10 and 6:10 p. m.

- 111-112. *Contracts* (4-3) Moll, Benson, Davison
Williston's Cases on Contracts. First Semester—*Section A*, Tuesday and Wednesday, 9:10 a. m., and Wednesday and Thursday, 11:10 a. m. *Section B*, Wednesday and Thursday, 5:10 and 6:10 p. m. *Section C*, Monday and Tuesday, 5:10 and 6:10 p. m. Second Semester—*Section A*, Wednesday and Thursday, 9:10 a. m., and Friday, 11:10 a. m. *Section B*, Wednesday, 5:10 and 6:10 p. m., and Thursday, 5:10 p. m. *Section C*, Monday, 5:10 and 6:10 p. m., and Thursday, 6:10 p. m. *Special*, Tuesday and Friday, 5:10 and 6:10 p. m.
124. *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. *Section A*, Monday, Tuesday, Friday, 9:10 a. m. *Section B*, Monday, 5:10 and 6:10 p. m. and Thursday, 6:10 p. m. *Section C*, Tuesday, 5:10 and 6:10 p. m. and Thursday, 5:10 p. m.
- 133-134. *Personal Property* (2-2) Fryer, Benson
Larremore's Cases on Personal Property. Morgan's Introduction to the Study of Law. First semester—*Section A*, Monday, 10:10 and Friday, 11:10 a. m. Second semester—Monday, 10:10; Tuesday, 11:10 a. m. *Section B*, Tuesday, 5:10 and 6:10 p. m. *Section C*, Friday, 5:10 and 6:10 p. m. *Summer Session 1930*: Second term, Monday to Friday, inclusive, 5:10 and 6:10 p. m.
- 137-138. *Real Property I* (2-2) Benson
Biglow's Cases on Rights in Land; Aigler's Cases on Titles. *Section A*, Thursday and Friday, 12:10 p. m. *Section B*, Thursday, 5:10 and 6:10 p. m.
- 141-142. *Torts* (4-2) Hunter, Hall
Wilson's Cases on Torts. First Semester—*Section A*, Monday, Thursday, Friday, 9:10 a. m. and Tuesday, 11:10 a. m. *Section B*, Monday and Friday, 5:10 and 6:10 p. m. *Section C*, Wednesday and Thursday, 5:10 and 6:10 p. m. Second Semester—*Section A*, Wednesday and Thursday, 11:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m. *Section C*, Wednesday, 5:10 and 6:10 p. m. *Summer Session 1930*: First term, Monday to Friday, inclusive, 5:10 and 6:10 p. m.

SECOND YEAR SUBJECTS

- 163-164. *Bills and Notes* (2-2) Oppenheim
Briton's Cases on Bills and Notes. *Section A*, Monday and Wednesday, 12:10 p. m. *Section B*, Monday, 5:10 and 6:10 p. m.
- 167-168. *Civil Procedure* (2-2) Clephane, Hunter
First semester—*Section A*, Sunderland's Cases on Common Law Pleadings, Tuesday and Wednesday, 9:10 a. m. Second semester—*Section A*, Wednesday and Thursday, 9:10 a. m. *Section B*, Shipman on Common Law Pleading; Clephane on Equity Pleading, Tuesday, 5:10 and 6:10 p. m.
169. *Damages* (2) Arnold
Summer Session 1930: Second term, Beale's Cases on Damages, 3rd edition. Monday and Thursday, 5:10 and 6:10 p. m.; Wednesday, 6:10 p. m.
170. *Domestic Relations* (2) Moll
Summer Session 1930: First term, Woodruff's Cases on Domestic Relations. Tuesday to Saturday, inclusive, 7:45 to 8:35 a. m.
- 171-172. *Equity II* (2-2) Spaulding
Ames' Cases on Equity Jurisprudence, Vol I. *Section A*, Monday, 9:10 and Friday, 10:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m. *Summer Session 1930*: First term—Monday to Friday, inclusive, 5:10 and 6:10 p. m.
- 177-178. *Evidence* (2-2) Latimer, Fryer
Hinton's Cases on Evidence. *Section A*, Thursday and Friday, 12:10 p. m. *Section B*, Monday, 5:10 and 6:10 p. m.
179. *Insurance* (2) McFall
Woodruff's Cases on Insurance. Saturday, 5:10 and 6:10 p. m.
181. *Legal Bibliography and Brief Making* (1) Miller
Monday, 6:10 p. m.
184. *Mortgages* (2) Collier
Campbell's Cases on Mortgages. *Summer Session 1930*: First term—Monday and Thursday, 5:10 and 6:10 p. m. and Wednesday, 5:10 p. m.
185. *Quasi-Contracts* (2) Moll
Thurston's Cases on Quasi-Contracts. *Summer Session 1930*: First term—Tuesday and Friday, 5:10 and 6:10 p. m. and Wednesday, 6:10 p. m.

- 187-188. *Real Property II* (2-2) Oppenheim
Aigler's Cases on Titles. First semester—Section A, Tuesday and Friday, 9:10 a. m. Second semester—Tuesday and Friday, 9:10 a. m. Section B, Thursday, 5:10 and 6:10 p. m.

- 191-192. *Sales* (2-2) Oppenheim
Williston's Cases (3rd ed.). Wednesday, 5:10 and 6:10 p. m.
197. *Water Rights* (2)
(Not given 1930-31.)

THIRD AND FOURTH YEAR SUBJECTS

208. *Administrative Law* (2) Davison
Case book to be announced. Tuesday, 5:10 and 6:10 p. m.
217. *Admiralty* (2) Alden
Lord and Sprague Cases on Admiralty Jurisdiction and assigned readings. Friday, 5:10 and 6:10 p. m.
220. *Bankruptcy* (2) Brandenburg
Tuesday, 5:10 and 6:10 p. m.
221-222. *Conflict of Laws* Spaulding
Beale's Cases (2nd ed.). Section A, Wednesday and Thursday, 11:10 a. m. Section B, Thursday, 5:10 and 6:10 p. m.
251-252. *Constitutional Law* (2-2) Collier
Hall's Cases. Section A, Tuesday, 10:10 and Friday, 11:10 a. m. Section B, Tuesday, 5:10 and 6:10 p. m.
257-258. *Corporations* (2-2) Davison
Warren's Cases. Section A, Monday and Friday, 10:10 a. m. Section B, Friday, 5:10 and 6:10 p. m.
271. *Equity III* (2) Spaulding
Ames' Cases on Equity Jurisprudence, Vol II. Monday, 5:10 and 6:10 p. m.
275. *Federal Procedure* (2) Brandenburg
Hopkin's Judicial Code (3rd ed.). Tuesday, 5:10 and 6:10 p. m.
279-280. *International Law* (2-2) Murdock
Hudson's Cases on International Law. Wednesday, 5:10 and 6:10 p. m.

- 281-282. *Moot Court* (2-2) Clephane, Earnest, Cox
Prerequisite: Law 167-168 (Civil Procedure); and Law 177-178 (Evidence). *Section A*, Saturday, 9:10 and 10:10 a. m.
Section B, Wednesday, 5:10 and 6:10 p. m.
283. *Municipal Corporations*
(Not given in 1930-31.)
285. *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations.
Monday, 5:10 p. m.
288. *Partnership* (2) Spaulding
Crane and Magruder's Cases. Monday, 5:10 and 6:10 p. m.
- 289-290. *Patent Law* (Substantive) and *Patent Office Practice* (2-2)
Sutton
Monday, 5:10 and 6:10 p. m.
- 291-292. *Patent Moot Court* (2-2) Hudson
Wednesday, 5:10 and 6:10 p. m. May be elected instead of
281-282 (Moot Court) to satisfy the Moot Court require-
ment. Both subjects may not be counted toward a degree.
294. *Property III* (2) Arnold
Summer Session 1930: Second term—Kale's Cases on Future
Interests. Tuesday and Friday, 5:10 and 6:10 p. m. and
Wednesday, 5:10 p. m.
295. *Public Utilities* (2) Benson
Burdick's Cases (2nd ed.). Tuesday, 5:10 and 6:10 p. m.
298. *Suretyship* (2)
(Not given in 1930-31.)
299. *Taxation* (2) Collier
Rotschaefer's Cases on Taxation. Thursday, 5:10 and 6:10
p. m.
- 301-302. *Trusts* (2) Moll
Scott's Cases. *Section A*, Tuesday, 11:10 and Thursday,
10:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m.
- 303-304. *Wills and Administration of Estates* (2-2) Benson
Mechem and Atkinson's Cases on Wills and Administration.
Monday and Wednesday, 10:10 a. m. *Summer Session 1930*:
First term—Monday to Friday, inclusive, 5:10 and 6:10 p. m.

LIBRARY SCIENCE

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science, Executive Officer.*

GEORGE FRANKLIN BOWERMAN, A.B., B.L.S., L.H.D., *Professorial Lecturer in Library Science.*

ELIZABETH ADAMS LATHROP, A.B., *Assistant Professor of Library Science.*

CLARIBEL RUTH BARNETT, Ph.B., B.L.S., *Lecturer in Library Science.*

CLARA WELLS HERBERT, *Lecturer in Library Science.*

ELIZABETH ORLAN CULLEN, M.S., *Lecturer in Library Science.*

MIRIAM UHLER CHISOLM, A.B., *Associate in Library Science.*

Requirements for the degree in Library Science: See curricula on page 192

SECOND SECTION

101-102. *Cataloguing (3-3)*

Lathrop

The fundamental principles of cataloguing, with special attention to Library of Congress rules. Lectures and discussions, supplemented by systematic practice work, and supervised service in the University Library. Prerequisite: French or German. A selected group may do their practice work at the Public Library. *Section A*, Tuesday, Thursday, Saturday, 11:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930*: Course 101, daily except Saturday, 6:10 p. m.; Course 102, daily except Saturday, 7:50 p. m.

121-122. *Classification (3-3)*

Schmidt

Historical introduction, the study of the leading systems and their distinguishing characteristics, actual classification according to the Dewey, Cutter, and Library of Congress schemes, with accompanying practice in shelf-listing and book notation. Prerequisite: Courses 101-102, or the equivalent in library experience. Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930*: Course 121, daily except Saturday, 5:10 p. m.

131. *Library History, Organization and Administration (3)*

Schmidt

Prerequisite: Courses 101-102, 121-122 or the equivalent in library experience. Monday, Wednesday, Friday, 5:10 p. m. *Summer Term 1930*: Daily except Saturday, 7:00 p. m.

132. *Reference and Bibliography* (3) Schmidt
The study and use of reference books, the preparation of bibliographies in conjunction with the instructional work of the University, and supervised service in the University Library. Prerequisite: Course 131 or the equivalent in library experience. Monday, Wednesday, Friday, 5:10 p. m. Summer Term 1930: Daily except Saturday, 7:00 p. m.
133. *Book Evaluation and Selection* (3) Lathrop
Prerequisite: Courses 131-132 or the equivalent in library experience. Tuesday, Thursday, Saturday, 5:10 p. m.
135. *Children's Literature and Library Work with Children* (3) Lathrop
Prerequisite: Courses 131-132 or the equivalent in library experience. Tuesday, Thursday, Saturday, 5:10 p. m. (Not given in 1930.)
136. *Library Extension, Publicity and Community Service* (3) Lathrop
Prerequisite: Courses 131-132 or the equivalent in library experience. Tuesday, Thursday, Saturday, 5:10 p. m.

THIRD SECTION

- 211-212. *Special Libraries* (3-3) Barnett, Cullen and Staff
Hours and places of meeting to be arranged.
- 221-222. *Special Problems in Public Library Administration and Service* (3-3) Bowerman, Herbert and Staff
To be conducted at the Public Library. Hours to be arranged.
- 245-246. *Seminar* (3-3) Richardson and Staff
Special problems: the history of the book; paleography; the cataloguing and classification of manuscripts, incunabula, and earliest printed books; history of printing and paper; care and treatment of documents, maps, music, etc.; legislative reference; methodology of research. Conducted at the Library of Congress. Tuesday, 7:00 to 9:00 p. m.

MATHEMATICS

JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus.*

HOWARD LINCOLN HODCKINS, PH.D., Sc.D., *Professor of Mathematics.*
 JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*
 JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics, Executive Officer.*
 HARRY GRANT HODCKINS, A.B., *Associate Professor of Mathematics.*
 FRANK MARK WEIDA, PH.D., *Associate Professor of Mathematics.*
 FRANCIS EDGAR JOHNSTON, PH.D., *Assistant Professor of Mathematics.*
 FLORENCE MARIE MEARS, PH.D., *Assistant Professor of Mathematics.*
 EDGAR WILLIAM WOOLARD, PH.D., *Assistant Professor of Mathematics.*

Minimum requirements for the major: 15 semester hours above calculus.

FIRST SECTION

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|-------|---|-----------|
| †1-2. | <i>Descriptive Astronomy (3-3)</i> | Woolard |
| | Tuesday, Thursday, Saturday, 11:10 a. m. | |
| 3. | <i>College Algebra (3)</i> | The Staff |
| | First Semester— <i>Section A</i> , Monday, Wednesday, Friday, 9:10 a. m. <i>Section B</i> , Monday, Wednesday, Friday, 10:10 a. m. <i>Section C</i> , Monday, Wednesday, Friday, 5:10 p. m. <i>Section D</i> , Monday, Wednesday, Friday, 6:10 p. m. <i>Section E</i> , Monday, Wednesday, Friday, 6:10 p. m. <i>Section F</i> , Tuesday, Thursday, Saturday, 5:10 p. m. <i>Section G</i> , Tuesday, Thursday, Saturday, 6:10 p. m. <i>Section H</i> , Tuesday, Thursday, Saturday, 6:10 p. m. <i>Summer Term 1930</i> : Daily except Saturday, 7:40 a. m. Second Semester— <i>Section A</i> , Monday, Wednesday, Friday, 9:10 a. m. <i>Section B</i> , Tuesday, Thursday, Saturday, 6:10 p. m. | |
| 4. | <i>Solid Geometry (2)</i> | The Staff |
| | Tuesday and Thursday, 6:10 p. m. | |
| 6. | <i>Plane Trigonometry (3)</i> | The Staff |
| | Prerequisite: Course 3, or concurrent registration for Course 3. First Semester— <i>Section A</i> , Monday, Wednesday, Friday, 11:10 a. m. <i>Section B</i> , Monday, Wednesday, Friday, 5:10 p. m. Second Semester— <i>Section A</i> , Monday, Wednesday, | |

- Friday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m. *Section C*, Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930*: Daily except Saturday, 6:10 p. m.
- †9-10. *Mathematics of Investment* (3-3) Weida
Monday, Wednesday, Friday, 6:10 p. m.
12. *Plane Analytic Geometry* (3) The Staff
Prerequisite: Course 6 or its approximate equivalent and Course 3. First Semester—*Section A*, Monday, Wednesday, Friday, 11:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 6:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Monday, Wednesday, Friday, 10:10 a. m. *Section C*, Monday, Wednesday, Friday, 5:10 p. m. *Section D*, Monday, Wednesday, Friday, 6:10 p. m. *Section E*, Tuesday, Thursday, Saturday, 5:10 p. m. *Section F*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930*: Daily except Saturday, 5:10 p. m.
- †15-16. *Calculus and Analytic Geometry* (3-3) Johnston
Required course for freshmen in Architecture, and elective by the college student who does not plan to major in Mathematics. Prerequisite: Course 6 or four entrance units in Mathematics. Tuesday, Thursday, Saturday, 5:10 p. m.
- 17-18. *Introduction to Statistics* (3-3) Weida
Tuesday, Thursday, Saturday, 5:10 p. m.
19. *Differential Calculus* (3) The Staff
Prerequisite: Course 12. First Semester—*Section A*, Monday, Wednesday, Friday, 11:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m. *Section C*, Monday, Wednesday, Friday, 6:10 p. m. *Section D*, Tuesday, Thursday, Saturday, 5:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 11:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930*: Daily except Saturday, 5:10 p. m.
20. *Integral Calculus* (3) The Staff
Prerequisite: Course 19. First Semester, Tuesday, Thursday, Saturday, 5:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 11:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m. *Section C*, Monday, Wednesday, Friday, 6:10 p. m. *Section D*, Tuesday, Thursday, Saturday, 5:10 p. m.

SECOND SECTION

- †101-102. *Fundamental Concepts of Mathematics* (3-3) Woolard
Prospective teachers of secondary school mathematics should
elect this course. Tuesday, Thursday, Saturday, 4:10 p. m.
117. *Theory of Least Squares and Probable Error* (3) Weida
Monday, Wednesday, Friday, 5:10 p. m.
118. *Curve Fitting* (3) Weida
Monday, Wednesday, Friday, 5:10 p. m.
123. *Theory of Equations* (3) Johnston
Monday, Wednesday, Friday, 10:10 a. m.
124. *Theory of Numbers* (3)
(Not given in 1930-31.)
128. *Solid Analytic Geometry* (3) Johnston
Monday, Wednesday, Friday, 10:10 a. m.
- 131-132. *Differential Equations* (3-3) Taylor
Monday, Wednesday, Friday, 6:10 p. m.
135. *Special Topics* (2) Johnston
For electrical engineers. Complex numbers, hyperbolic
functions, vectors, differential equations, infinite series. Pre-
requisite: Course 20. Tuesday and Thursday, 6:10 p. m.
- †137-138. *Advanced Calculus* (3-3)
(Not given in 1930-31.)
139. *Projective Geometry* (3) Taylor
Tuesday, Thursday, Saturday, 5:10 p. m.
140. *Modern Analytic Geometry* (3) Taylor
Tuesday, Thursday, Saturday, 5:10 p. m.
141. *College Geometry* (3) Taylor
(Not given in 1930-31.) Summer Term 1930: Daily except
Saturday, 6:10 p. m.

THIRD SECTION

- †217-218. *Mathematical Statistics* (3-3)
(Not given in 1930-31.)
- †253-254. *Theory of Functions of a Complex Variable* (3-3) Mears
Hours to be arranged.

- †255-256. *Differential Geometry* (3-3) Taylor
Hours to be arranged.
- †257-258. *Theory of Finite Groups* (3-3)
(Not given in 1930-31.)
- †265-266. *Modern Algebra* (3-3)
(Not given in 1930-31.)
- †267-268. *Calculus of Variations* (3-3) Taylor
Hours to be arranged.
- †269-270. *Tensor Analysis* (3-3)
(Not given in 1930-31.)
- †271-272. *Linear Algebras* (3-3) Johnston
Hours to be arranged.

NOTE. Course 3, College Algebra, is a prerequisite for all courses in Mathematics except 1-2, 4, 9-10 and 17-18. However, students presenting two entrance units in Algebra with a certifying grade in the same may be excused from taking Course 3. Other properly qualified students are urged to meet this requirement by taking an examination in the subject (for time of such examination see the University Calendar).

MECHANICAL ENGINEERING

ARTHUR FREDERICK JOHNSON, M.E., *Professor of Mechanical Engineering.*
 BENJAMIN CARPENTER CRUICKSHANKS, B.S. IN M.E., *Assistant Professor of Mechanical Engineering, Executive Officer.*

JAMES AUGUSTIN ST. OMER ROY, B.S. IN E.E., *Associate in Mechanical Drawing.*

WALTER BARTOW LAWRENCE, B.S. IN M.E., *Lecturer in Heating and Ventilating.*

MAX ALBERT LETT, M.S. IN M.E., *Instructor in Mechanical Engineering.*

Minimum requirements for the degree in Mechanical Engineering: See curricula on page 158.

FIRST SECTION

3. *Mechanical Drawing* (3) Johnson, Lett
 Sketches, drawings and tracings emphasizing shop methods and utilization of standard machine parts. One lecture period and two drawing periods. Drafting room fee \$2.00. *Section A*, Monday, Wednesday, Friday, 1:10 p. m. *Section B*, Tuesday, 5:10 p. m., and Monday and Friday, 7:30 p. m. *Section C*, Tuesday, 5:10 p. m., Tuesday and Thursday, 6:30 p. m.
4. *Descriptive Geometry* (3) Johnson, Lett
 Theories of orthographic and oblique projection with practical applications and introduction to shades and shadows. Solid geometry is prerequisite or may be taken concurrently. One recitation and two drawing periods. Drafting room fee \$2.00. *Section A*, Monday, Wednesday, Friday, 1:10 p. m. *Section B*, Tuesday, 5:10 p. m., Monday and Friday, 7:30 p. m. *Section C*, Tuesday, 5:10 p. m., Tuesday and Thursday, 6:30 p. m.
5. *Descriptive Geometry* (3) Johnson, Lett
 For students in Architecture. Similar to Course 4. Drafting Room fee \$2.00. *Section A*, Wednesday, 1:00 to 4:30 p. m., and Friday, 1:00 to 3:30 p. m. *Section B*, Tuesday and Thursday, 7:30 to 10:30 p. m. *Lecture*—Tuesday, 5:10 p. m.
- 7-8. *Machine Drawing* (2-2)
 Computations, sketches and drawings applying kinematics and empirical methods. Prerequisite: Course 4 and concurrently with Course 13-14. Two drawing periods. Draft-

ing room fee \$2.00 a semester. *Section A*, Wednesday and Friday, 1:10 p. m. *Section B*, Monday and Friday, 7:30 p. m.

13-14. *Mechanism* (3-3)

St. Omer Roy, Lett

Machine elements and the kinematics of machinery, analysis of the functions and the mechanical movements; problems and diagrams of changes of position and speed in mechanism; the design of gearing; steam engine valve gears. Taken concurrently with Course 7-8. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m.

SECOND SECTION

111-112. *Thermodynamics* (3-3)

Cruickshanks

First semester: The study of the principles of thermodynamics; the gas cycles; practical applications of the above principles. Second semester: The vapor cycles and the properties of steam; practical applications. Prerequisites: Physics 8 or 10 and Course 14. *Section A*, Monday, Wednesday, Friday, 9:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m.

115-116. *Engineering Laboratory* (2-2)

Cruickshanks

Calibration of engineering instruments, testing of power plant prime movers and auxiliaries and internal combustion engines. Each student must be present one whole day when a power plant test will be made. Prerequisite: Course 111-112. Laboratory fee \$10.00. *Section A*, Monday and Wednesday, 1:10 p. m. *Section B*, Monday and Wednesday, 7:30 p. m.

118. *Hydraulic Machinery* (2)

Van Leer

The theory underlying the design, selection and operation of hydraulic turbines and pumping machinery. Prerequisites: Civil Engineering 132 and 134 or concurrent therewith. Tuesday and Thursday, 6:10 p. m.

125. *Methods of Manufacture* (3)

Johnson

Modern manufacturing methods, machine tools, automatic machines, and quantity production. Prerequisites: Courses 8 and 14, and Civil Engineering 26. Monday, Wednesday, Friday, 6:10 p. m.

- 127-128. *Machine Design* (3-2) Johnson
Engineering principles already acquired are applied to the design of machines. The limitations of theoretical and empirical formulae are studied. Prerequisites: Civil Engineering 25-26 and 41 and Mechanical Engineering 125. One consultation period and two drawing periods the first semester, two drawing periods the second semester. Drafting room fee \$2.00 a semester. Course 127, *Section A*, Wednesday and Friday, 1:10 p. m., and Tuesday, 6:10 p. m. *Section B*, Monday and Friday, 7:30 p. m., and Tuesday, 6:10 p. m. Course 128, *Section A*, Wednesday and Friday, 1:10 p. m. *Section B*, Monday and Friday, 7:30 p. m.
- 129-130. *Power Plants* (3-3) Cruickshanks
A study of the design, layout, and installation of modern power plants and power plant equipment; the auxiliary equipment necessary to the economic operation of the power plant, as well as that necessary to meet the present-day safety laws of the various states. Practical problems based upon the text. Prerequisite: Course 112. Monday, Wednesday, Friday, 5:10 p. m.
131. *Heating and Ventilating* (2) Lawrence
A study of the design, installation and economic operation of modern heating and ventilating systems installed in all types of buildings. Practical problems, involving all the principles studied. Prerequisite: Course 112. Tuesday and Thursday, 5:10 p. m.
132. *Combustion Engines* (3) Johnson
The design, construction and operation of gas, vaporized fuel, semi-Diesel, and Diesel engines, gas producers and equipment for utilizing waste industrial gases in engines. Prerequisites: Civil Engineering 131 and Course 111. *Section A*, Monday, Wednesday, Friday, 11:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m.
138. *Refrigeration* (2) Lawrence
Design, construction, and installation of modern mechanical refrigeration equipment, and auxiliary equipment necessary to their economic operation. Practical problems, involving a knowledge of the principles as studied in this course. Prerequisite: Course 111. Tuesday and Thursday, 5:10 p. m.

MEDICINE

STERLING RUFFIN, M.D., *Professor Emeritus.*

BUCKNER MAGILL RANDOLPH, M.D., *Professor Emeritus.*

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- WILLIAM ALANSON WHITE, A.M., M.D., *Professor of Psychiatry.*
HARRY HAMPTON DONNALLY, A.M., M.D., *Professor of Pediatrics.*
WILLIAM JOHNSTON MALLORY, A.M., M.D., *Professor of Medicine.*
CHARLES AUGUSTUS SIMPSON, M.D., *Professor of Dermatology.*
WALTER FREEMAN, A.B., M.D., *Professor of Neurology.*
COURSEN BAXTER CONKLIN, B.S., M.D., A.M., *Professor of Physical Diagnosis.*
WALTER ANDREW BLOEDORN, A.M., M.D., *Professor of Medicine, Executive Officer.*
JOSEPH BURTON GLENN, M.D., *Professor of Therapeutics.*
MONTGOMERY EARLE HIGGINS, M.D., *Professor of Tropical Medicine.*
HARRY ALFRED ONG, M.D., *Associate Professor of Pediatrics.*
ROSCOE WILLIS HALL, Ph.B., M.D., *Associate Professor of Psychiatry.*
CHARLES ROBERT LEE HALLEY, A.B., M.D., *Associate Professor of Medicine.*
THOMAS SIM LEE, A.M., M.D., *Clinical Professor of Medicine.*
JOSEPH WINTHROP PEABODY, M.D., *Clinical Professor of Medicine.*
HENRY COOK MACATEE, M.D., *Clinical Professor of Medicine.*
LESLIE TRACY GAGER, A.B., M.D., *Clinical Professor of Medicine.*
FRANK ADELBERT HORNADAY, M.S., M.D., *Clinical Professor of Medicine.*
JOHN ALTON REED, M.D., *Clinical Professor of Medicine.*
FRED AUGUST MOSS, Ph.D., M.D., *Clinical Professor of Neuro-Psychiatry.*
PRESTON ALEXANDER McLENDON, B.S., M.D., *Associate in Pediatrics.*
HARRY SAUL BERNTON, A.B., M.D., *Associate in Medicine.*
EVERETT MONROE ELLISON, Ph.D., M.D., *Clinical Associate in Medicine.*
JOHN MINOR, A.B., M.D., *Clinical Associate in Medicine.*
LOUIS BERNARD CASTELL, Ph.D., M.D., *Clinical Associate in Medicine.*
SIMON RUFUS KARPELES, M.D., *Clinical Associate in Medicine.*
EDWARD LEWIS, M.D., *Clinical Associate in Pediatrics.*
ISAAC SILVERMAN, M.D., Ch.B., *Clinical Associate in Psychiatry.*
FRED ALOYSIUS JOSEPH GEIER, M.D., *Clinical Associate in Medicine.*
HARRY FORD ANDERSON, M.D., *Clinical Associate in Dermatology.*
ARCHIBALD BARKLIE COULTER, M.D., *Clinical Associate in Medicine.*
MAURICE PROTAS, A.B., M.D., *Clinical Associate in Medicine.*
HERMANN S. HOFFMAN, A.B., M.D., *Clinical Associate in Medicine.*
ROBERT R. DIETERLE, M.D., *Clinical Associate in Neurology.*
JOHN PAUL EARNEST, JR., A.B., M.D., *Lecturer on Medical Jurisprudence.*
GRAFTON TYLER BROWN, B.S., M.D., *Lecturer on Allergy.*
EDWARD BALLARD BROOCKS, M.D., *Instructor in Pediatrics.*
MARGARET M. NICHOLSON, A.B., M.D., *Instructor in Pediatrics.*

CHARLES BERGER CAMPBELL, PHAR.D., M.D., *Clinical Instructor in Dermatology.*

FRANK LOUIS WILLIMAN, B.S., M.D., *Clinical Instructor in Medicine.*

HERMAN EUGENE KITTREDGE, M.D., *Clinical Instructor in Dermatology.*

WINTHROP ALLEN RISK, M.D., *Clinical Instructor in Medicine.*

HYMAN DAVID SHAPIRO, M.D., *Clinical Instructor in Medicine.*

EDWARD JACOB GRASS, A.B., M.D., *Clinical Instructor in Medicine.*

ANDREW KEENE BOWIE, M.D., *Clinical Instructor in Medicine.*

JAMES MELVIN CAMPBELL, M.D., *Clinical Instructor in Medicine.*

AARON NIEMETZ, A.B., M.D., *Clinical Instructor in Pediatrics.*

KATHARINE GODFREY SYMMONDS, A.B., M.D., *Clinical Instructor in Pediatrics.*

NORVELL BELT, A.B., M.D., *Clinical Instructor in Medicine.*

CHARLES AURELIUS SCHUTZ, M.D., *Clinical Instructor in Pediatrics.*

JOHN FRANCIS HARRINGTON, M.D., *Clinical Instructor in Medicine.*

GEORGE RICHARD HUFFMAN, A.B., M.D., *Clinical Instructor in Medicine.*

EUGENE CLARENCE RICE, JR., M.D., *Clinical Instructor in Medicine.*

NICHOLAS ATHANASIOS MANDELLOS, M.D., *Clinical Instructor in Medicine.*

RAPHAEL MANGANARO, B.S., M.D., *Clinical Instructor in Medicine.*

GEORGE WILLIAM CRESWELL, A.B., M.D., *Clinical Instructor in Medicine.*

HARRY ARNOLD HULL McNITT, A.M., M.D., *Clinical Instructor in Medicine.*

JOHN FREDERICK MOORE, B.S., M.D., *Clinical Instructor in Medicine.*

HARRY FRIEDENBERG, M.D., *Clinical Instructor in Physical Diagnosis.*

Total number of hours required in Medicine for the M.D. degree—815.

153-154-155. *Physical Diagnosis* (132-24)

Conklin, Minor, Belt, Ruffin, Friedenberg

A didactic course is given at the beginning, being necessary to outline general principles. The course is in the main clinical, consisting of section demonstrations and practice on the normal and abnormal subject. The clinical sections receive their instruction at Gallinger Municipal Hospital. 4 hours per week throughout the third year.

201-202-203. *General Medicine* (132-132)

Mallory, Bloedorn, Halley

Systematic course of lectures and recitations covering diseases of the respiratory, blood-circulatory, gastro-intestinal, and endocrine systems. 4 hours weekly throughout the third year.

211-216. *Medical Clinics* (408)

Clinical Medical Staff

Well organized group clinics are presented in general medicine, dermatology, neurology, pediatrics and psychiatry at

the bedside and in hospital dispensaries. Clinical conferences with the third or fourth year class in attendance are held weekly. The clinical teaching staff particularly emphasizes the technic and practice of case study. Bedside demonstrations and quizzes play a large part in clinical instruction. Daily throughout the third and fourth years.

- 225-226-227. *Therapeutics* (33-33) Glenn
Lectures embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy and other therapeutic resources. 1 hour per week throughout the third year.

231. *Pediatrics* (24-24) Donnally
The course consists of lectures and demonstrations. 2 hours per week in the first trimester of the third year. (Clinical hours are included in the schedule of medical clinics.)

- 241-242. *Dermatology* (16-16) Simpson
A course of lectures in the first 16 weeks of the third year supplemented by dermatologic clinics in general dispensaries. (Clinical hours are included in hour schedule of medical clinics.)

245. *Tropical Medicine* (22-22) Higgins
The course is similar to that given in the Army and Navy Medical Schools, special attention being given to disease prevalent in the United States and its possessions. 1 hour per week in the first trimester of the third year.

247. *Medical Jurisprudence* (12-12) Earnest
Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. 1 hour per week in the first semester of the third year.

- 261-262-263. *Neurology* (30-30) Freeman
This course of clinical lectures is given at the Government Hospital for the Insane. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of medical clinics.)

271. *Psychiatry* (30-30) White and Staff
Clinical lectures exhibiting common types of mental deterioration, supplemented by ward and conference clinics are followed by a didactic course in the more advanced

phases of the subject. 1 hour per week throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

292. *Ethics* (6-6)

W. C. Borden

A course of lectures on general ethics, including personal hygiene, care of laboratory equipment and general conduct. in the first year, and on medical ethics and adaptability for the profession in the fourth year. 6 hours in the fourth year.

293. *Medical Psychology* (10-10)

Hall

A course of lectures presenting the fundamentals of psychology from the medical standpoint. 1 hour weekly, first trimester, fourth year.

MILITARY SCIENCE AND TACTICS

WILLIAM OLENDORF WETMORE, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

The Reserve Officers Training course is elective.

11-13. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Practical and theoretical instruction in the following subjects: Military courtesy and discipline, policy, organization, administration, law, medicine, hygiene and first aid. 1 hour per week throughout the first year.

21-23. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Map reading, organization of the medical department for caring for, transporting of the sick and wounded from the firing line to the hospitals in the interior, tactics and technique of the several branches of the Army, hospitalization, sanitation with reference to posts, camps, and marches. 1 hour per week throughout the second year.

A summer course at Carlisle Barracks, Pa., following the second year. Six weeks of physical training, athletics, drill, practice marches, practical sanitation, company administration, military tactics and map drawing.

103-105. *(Advanced Medical Course) Military Science and Tactics*

Wetmore

Physical examinations of masses as employed in the Army, food and its relation to disease, water and its relation to disease, prevention and control of communicable diseases from the military standpoint, sanitation in field and garrison. 1 hour per week throughout the third year.

123-125. *(Advanced Medical Course) Military Science and Tactics*

Wetmore, Shook

Service in the O. R. C., military hospitals and hospitalization in war, medical and surgical diseases peculiar to war, medical aspects of chemical warfare, aviation medicine, medical aspects of mobilization. Inspection of dairies, ice cream plants and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. 1 hour per week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

HURON WILLIS LAWSON, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*

HOWARD FRANCIS KANE, A.B., M.D., *Associate Professor of Obstetrics.*

ELIJAH WHITE TITUS, PHAR.D., M.D., *Associate Professor of Gynecology.*

THOMAS EDWIN NEILL, M.D., *Clinical Professor of Gynecology.*

RICHARD LEE SILVESTER, M.S., M.D., *Clinical Professor of Obstetrics.*

JACOB KOTZ, M.D., *Associate in Gynecology.*

HENRY LAURAN DARNER, A.B., M.D., *Clinical Associate in Gynecology.*

JOSEPH HARRIS, A.B., M.D., *Instructor in Obstetrics.*

VIRGIL B. JACKSON, M.D., *Clinical Instructor in Gynecology.*

HELEN GLADYS KAIN, B.S., M.D., *Clinical Instructor in Gynecology.*

GEORGE NORDLINGER, A.B., M.D., *Clinical Instructor in Obstetrics.*

HENRY JOHN RUSSELL McNITT, B.S., M.D., *Clinical Instructor in Obstetrics.*

HERBERT PERCY RAMSAY, A.B., M.D., *Clinical Instructor in Gynecology.*

WILLIAM RAYMOND THOMAS, M.D., *Clinical Instructor in Obstetrics.*

LAURENCE LEE COCKERILLE, M.D., *Clinical Instructor in Obstetrics.*

BERNARD NOTES, M.D., *Clinical Instructor in Obstetrics.*

FRANK EDWARD GANTZ, M.D., *Clinical Instructor in Gynecology.*

WILLIAM PRESTON HAYNES, M.D., *Clinical Instructor in Obstetrics.*

ESTHER ALSYLVIA NATHANSON, A.B., M.D., *Clinical Instructor in Gynecology.*

CLAYTON HOWARD HIXSON, M.D., *Clinical Instructor in Obstetrics.*

ALEC AMBROSE PREECE, M.D., *Clinical Instructor in Obstetrics.*

Total number of hours required in Obstetrics and Gynecology for the M.D. degree—241.

211-213. *Normal Obstetrics* (66-66) Lawson, Kane, Silvester, Thomas
Lectures and recitations on the physiology and management of normal pregnancy, labor and the puerperium. The physiology and the immediate care of the newborn child are included. Complications of pregnancy are considered in this course near the end of the year. 2 hours per week throughout the third year.

214. *Obstetrical Demonstrations* (14-0) Harris, Thomas, Notes
During the first part of this course laboratory studies are made of the bony pelvis in relation to childbearing, the changes in the soft tissues due to pregnancy, and the fetus at different ages. During the latter half of the course methods of antepartum examinations are demonstrated in the dispensaries and the clinical course and management of

normal labor studied in the delivery wards. The student observes at least four normal deliveries. Sections, 2 hours per week, seven weeks throughout the third year.

- 223-224-225. *Principles and Practice of Gynecology* (33-33) Titus, Kotz
A course of lectures and recitations on the subject matter of gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate principles taught. 1 hour per week throughout the third year.

- 251-252-253. *Abnormal Obstetrics* (30-30) Lawson
Lectures, recitations and conferences on the pathology of pregnancy, labor and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative obstetrics. 1 hour per week throughout the fourth year.

258. *Manikin Demonstrations* (6-0) Harris, Notes
A course of exercises on the mechanism, diagnosis of presentation and position of labor, version and extraction, delivery by forceps, and other manipulations and operations, use being made of bony and metal pelvises, the manikin and fetuses. Sections 2 hours per week for three weeks throughout the fourth year.

- 261-262-263. *Clinical Obstetrics* (50-0) Lawson, Silvester, Harris,
Thomas, Cockerille, Notes, Hixson
This embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

273. *Clinical Gynecology* (15-0) Lawson, Titus, Miller, Neill,
Kotz, McNitt, Jackson, Ramsay, Darner
Clinical instruction in various hospitals covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY

GEORGE BYRON ROTH, A.B., M.D., *Professor of Pharmacology, Executive Officer.*

JAMES HOLMES DEFANDORF, A.M., *Associate Professor of Pharmacology.*

Total number of hours required in Pharmacology for the M.D. degree—172.

151. *Chemical Pharmacology* (36-0)

Defandorf

This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilities of drugs. The characteristic reactions of the important constituents in drugs are emphasized and the excretion of certain drugs in man is investigated. 3 hours per week in the first trimester of the second year.

152. *Pharmacodynamics* (50-0)

Roth, Defandorf

The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. If possible, the site of the action of the drug is ascertained, thus affording a rational basis for its use in therapeutics. 5 hours per week in the second trimester of the second year.

161-162-163. *Systematic Pharmacology* (76-76)

Roth

This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-Official Remedies. 2 hours per week in the first and third trimesters, and 3 hours per week in the second trimester of the second year.

174. *Principles of Prescription Writing* (10-0)

Roth

Conferences on the form of the prescription and drill in elemental prescription writing. 1 hour per week in the second trimester of the second year.

PHARMACY

LOUIS FRANCIS BRADLEY, PHAR.D., *Professorial Lecturer in Pharmacy.*
 WILLIAM PAUL BRIGGS, M.S., *Associate Professor of Pharmacy, Executive Officer.*

EUGENE CHRISTIAN BROKMEYER, *Lecturer on Pharmaceutical Jurisprudence.*

ASA VERNON BURDINE, *Lecturer on Commercial Pharmacy.*

CLAYTON HOWARD HIXSON, M.D., *Lecturer on Physiology.*

MARVIN RUSSELL THOMPSON, PH.G., *Associate in Pharmacology.*

A. MACRUDER MACDONALD, M.D., *Lecturer on First Aid.*

AUGUSTUS CARRIER TAYLOR, *Lecturer on Pharmaceutical Ethics.*

EWALD WITT, M.S. IN PHAR., *Instructor in Pharmacy.*

Requirements for the degrees in Pharmacy: See curricula on page 163.

FIRST SECTION

- 1-2. *Theoretical Pharmacy* (2-2) Briggs
 Principles of pharmaceutical operations, and the theory of the manufacture of Pharmacopoeial and National Formulary preparations. Tuesday and Thursday, 9:10 to 10:00 a. m.
- 3-4. *Manufacturing Pharmacy* (2-2) Briggs and Witt
 Laboratory—to be taken concurrently with Courses 1-2. Thursday and Friday, 2:10 to 4:30 p. m.
- 5-6. *Pharmaceutical Mathematics* (2-2) Witt
 Systems of weights and measures and methods of conversion from one to another; thermometers and the measurement of temperatures; calculation of specific gravity; calculations used in reducing and enlarging formulas. Tuesday, 3:10 to 4:00 p. m., Thursday, 1:10 to 2:00 p. m.
9. *History of Pharmacy* (1) Briggs
 The development of the profession from the earliest time to the present. Wednesday, 4:10 to 5:00 p. m.
53. *Pharmacy* (1) Witt
 A study of the volatile and fixed oils, petroleum products, glucosides, alkaloids, etc. Friday, 10:10 to 11:00 a. m.
54. *Pharmaceutical Chemistry* (2) Briggs
 The inorganic and organic compounds of the U. S. P. and N. F., including manufacture, tests for purity and identity. Prerequisites: Chemistry 3-4 or 5-6. Monday and Wednesday, 9:10 to 10:00 a. m.

- 61-62. *Dispensing Pharmacy* (2-2) Briggs, Witt
Laboratory work illustrating by practice the approved methods of compounding a selected series of prescriptions numbering about 300. Two laboratories a week. Tuesday and Thursday, 9:10 to 11:30 a. m.
- 63-64. *Dispensing Pharmacy* (2-1) Briggs
Lecture course to be taken concurrently with Courses 61 and 62. Monday and Wednesday, 9:10 to 10:00 a. m., first semester. Friday, 10:10 to 11:00 a. m., second semester.
- 65-66. *Pharmacology* (3-3) Thompson
The year's work is divided into two parts: (1) *Materia Medica and Therapeutics*. The study of the physiological actions and uses of medicinal agents of the U. S. P. and N. F. (2) *Pharmacognosy, Posology and Toxicology*. The study of the U. S. P. and N. F. drugs as regards identification, selection, sources, properties, uses and therapeutic and toxic dosage. Monday, Wednesday, Friday, 5:10 to 6:00 p. m.
67. *Pharmaceutical Latin* (1) Witt
Latin as applied in the prescription and in the various pharmaceutical dispensaries. Monday, 4:10 to 5:00 p. m.
72. *Pharmaceutical Mathematics* (1) Witt
Continuation of Courses 5-6. Monday, 4:10 to 5:00 p. m.
- 77-78. *Physiology* (1-1) Hixson
A general study of the structure and functions of the human body. Friday, 1:10 to 2:00 p. m.

SECOND SECTION

- 101-102. *Pharmaceutical Jurisprudence* (1-1) Brokmeyer
A theoretical and practical knowledge of laws governing the practice of pharmacy. Monday, 1:10 to 2:00 p. m.
151. *Dispensing Pharmacy* (1) Briggs
Continuation of Courses 63-64 especially stressing incompatibility and methods of correcting same. Friday, 9:10 to 10:00 a. m.
152. *Pharmacy* (2) Witt
The U. S. P. methods of quantitative analysis, physical and other tests, etc. Some food analysis is also included in this course. Friday and Saturday, 9:10 to 10:00 a. m. To be taken concurrently with Pharmacy 154.

153. *Dispensing Pharmacy* (1) Briggs
Continuation of Courses 61-62. Original prescriptions are compounded and dispensed involving ambiguous and incompatible prescriptions and proprietaries. Friday, 10:10 a. m. to 12:30 p. m.
154. *Pharmacy* (2) Witt
A few gravimetric analyses of U. S. P. drugs, followed by volumetric work on first inorganic chemicals and then fluid extracts, tinctures, etc. This is followed by work on saponification value of fats, etc., acid and iodine numbers, estimation of volatile oils, and various assays on products manufactured by first year students. Friday and Saturday, 10:10 a. m. to 12:30 p. m.
155. *Qualitative Analysis* (1) Witt
Pharmaceutical qualitative analysis including the principal purity and identity tests of the U. S. P. and N. F. *Laboratory*—Saturday, 10:10 a. m. to 12:30 p. m.
156. *Pharmacy* (2) Briggs
A complete review of the U. S. P. and N. F. Tuesday and Thursday, 11:10 a. m. to 12:00.
157. *Qualitative Analysis* (1) Witt
Lecture course to be taken concurrently with Pharmacy 155. Saturday, 9:10 to 10:00 a. m.
162. *Ethics* Taylor
A discussion of the motives and institutions of the pharmaceutical profession. Friday, 2:10 to 3:00 p. m.
- 165-166. *Commercial Pharmacy* (2-2) Burdine
The course consists of elementary economics, history of money, financing, planning and equipping new stores, selection of locations, management problem and duties, turnover, commercial arithmetic, expense and overhead, inventories, business economics, system and store service, business correspondence, retail buying, salesmanship, sales, plans and merchandising, advertising, display work, departmentizing and business building. Wednesday, 2:10 to 4:00 p. m.
- 169-170. *Pharmacology* (2-2) Thompson
Biological Testing and Assaying. Biological drug assaying with special reference to the methods of the U. S. P. and N. F. Tuesday and Thursday, 5:10 to 6:00 p. m.

- 173-174. *Medical Emergencies and First Aid* (1-1) MacDonald
This course of lectures is designed to acquaint the student with emergencies both of a medical and surgical nature; the recognition and emergency treatment of same. Thursday, 4:10 to 5:00 p. m.
- 181-182. *Advanced Pharmacy* (3-3) Briggs
Lecture and laboratory in advanced points of pharmaceutical interest. Hours to be arranged.

PHILOSOPHY

EDWARD ELLIOTT RICHARDSON, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*

Minimum requirements for the major: Philosophy—24 semester hours, including Courses 103, 111–112, and 6 semester hours of Psychology.

SECOND SECTION

101. *Introduction to Philosophy* (2) Richardson
Summer Term 1930: Daily except Saturday, 7:40 a. m.
103. *Principles of Philosophy* (3) Richardson
 The principles, problems and theories of philosophy. First semester, Tuesday, Thursday, Saturday, 9:10 a. m. Second semester, Monday, Wednesday, Friday, 5:10 p. m.
106. *Contemporary Philosophy* (3) Richardson
 A survey of the philosophic thought of the present time. Tuesday, Thursday, Saturday, 9:10 a. m.
- 111–112. *History of Philosophy* (3-3) Richardson
 Ancient and Mediaeval philosophy; Modern philosophy. *Section A*, Tuesday, Thursday, Saturday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m.
121. *Logic* (3) Ruediger
 The field of logic; the organization of knowledge, induction, deduction; logical analysis. First semester, Tuesday, Thursday, Saturday, 9:10 a. m. Second semester, Monday, Wednesday, Friday, 5:10 p. m.
131. *Ethics* (3) Richardson
 The principal ethical theories from the historical and social points of view. Monday, Wednesday, Friday, 5:10 p. m. *Summer Term 1930:* Daily except Saturday, 5:10 p. m.
133. *Philosophy of Religion* (3) Richardson
 A presentation of the philosophical principles involved in religion. *Summer Term 1930:* Daily except Saturday, 6:10 p. m.

THIRD SECTION

- 251–252. *Seminar* (3-3) Richardson
 Consideration of special problems; research in philosophy. Wednesday, 7:00 to 9:00 p. m.

PHYSICAL EDUCATION FOR MEN

JAMES EBENEZER PIXLEE, B.S., *Professor of Physical Education for Men Executive Officer.*

MAX FARRINGTON, A.B., *Instructor in Physical Education.*

JEAN ELYLE SEXTON, A.B., *Instructor in Physical Education.*

LEONARD WALSH, A.B., *Instructor in Physical Education.*

The department includes under its jurisdiction all of the recognized athletic activities of the men students of the University. Work is so arranged that every student, regardless of his ability, is enabled and encouraged to take part in some of the activities. Enrollment in some one of the following courses—21-22, 31-32, 71-72, 81-82, is required of first and second year students in The Junior College, The School of Engineering, The School of Pharmacy, and The Division of Fine Arts (Graphic Art students) in regular attendance.

Entering students are given a medical examination followed by a physical efficiency test, after which they are classified and assigned to restrictive or elective work.

Students who participate in Varsity or intramural athletics are excused from the regular courses in physical education. A definite program of activities is outlined for each course; and final examinations are given as in other University courses. Those who fail in the examinations may repeat the course or elect a different course. All students, excepting those assigned to Individual Gymnastics, will take four different courses in meeting their physical education requirement.

Students enrolling in physical education courses will be required to furnish their personal uniforms and equipment. The University, through the Director, makes special provision for those desiring to purchase such equipment.

The general University regulation covering absence from classes applies in this department.

Activities open to freshmen: Football, basket ball, track, baseball, swimming, tennis, boxing.

Activities open to sophomores: Varsity football, basket ball, boxing, track, or other sports established from time to time.

Courses required of all freshmen and sophomores: 21-22, 31-32, 71-72, 81-82.

FIRST SECTION

1-2. *Introduction to Physical Education* (3-3)

Theory and Practice. This course introduces the student to the entire field of physical education: History of theories and systems of physical education; aims and objects of the modern developments of physical education; instruction in

Pixlee

calisthenics, gymnastics, marching, and dancing. (This course covers the A. & P. E. & 1.)

11-12. *Theory and Practice Fundamentals of Physical Education* (2-2) The Staff

Required of all majors in the freshman year. This course deals with intensive instruction in the various activities which go to make up both the major and minor sports, including football, basketball, baseball, lacrosse, track and field, handball, soccer, boxing, wrestling, swimming, diving, life-saving, tumbling, calisthenics, light and heavy apparatus. Mass athletics and group games.

The following courses are based on the Course 11-12 and are a continuation of this course.

21-22. *Elementary Physical Education* (1-1) Sexton, Farrington
Two periods each week required of freshmen. Tuesday and Thursday, 8:00 a. m. and 10:00 a. m.

31-32. *Individual Gymnastics* (1-1) Sexton
A special course for freshmen not taking the regular course. Students receive individual attention and are assigned to recreational and corrective programs suited to individual needs. Three periods each week and two periods of outside assignments each week. Monday, Wednesday, Friday, 9:00 a. m.

53-54. *Theory and Practice of Physical Education* (2-2) Sexton, Walsh
Practice teaching; mass athletics; group games and individual activities.

55-56. *Theory and Practice Individual Gymnastics and Athletics* (2-2) Sexton, Walsh
Physical Diagnosis, Medical Gymnastics, etc. Lectures, assigned readings, technic of health examination, individual activity. Clinical practice adapted to problems coming in the field for men. Recognition of cases coming within the scope of the physical director.

61-62. *Theory and Practice of Physical Education* (2-2) The Staff

71-72. *Advanced Physical Education* (1-1) Sexton, Farrington
Required of sophomores. Continuation of Course 21-22. Four separate lines of activity are required to fulfill the requirements by the end of the sophomore year. Tuesday and Thursday, 10:00 a. m. and 3:00 p. m.

- 81-82. *Individual Gymnastics* (1-1) Sexton
For sophomores. Continuation of 31-32. Monday, Wednesday, Friday, 9:00 a. m.

SECOND SECTION

- 109-110. *Kinesiology and Body Mechanics* (3-3) Walsh
Analysis of gymnastics, athletics, athletic and individual gymnastics. Training room methods, reduction of injuries, first aid.
- 111-112. *Theory and Practice of Physical Education* (2-2) The Staff
Prerequisite: Course 11-12.
- 117-118. *Theory and Practice of Play Ground and Community Recreation* (2-2) Sexton, Walsh
Nature and function of play-age period and adaptation of activities. Social environment, play ground development, construction, management, and supervision. Games, pageants, handiwork, and physical activities. Recreation materials, field meets, tournaments. Practical application in teaching age groups.
- 129-130. *Theory and Practice in Physical Education* (3-3) Pixlee, Walsh
- 161-162. *Theory and Practice Physical Education* (2-2) The Staff
All major and minor activities are handled in season.
- 173-174. *Psychology and Athletics—Physical and Mental Tests* (3-3) Pixlee
Psychology and athletics for the first semester; physical and mental tests for the second semester.
- 177-178. *Physical Education* Pixlee, Sexton, Walsh
- 179-180. *Theory and Practice Physical Education* (3-3) The Staff
Practice teaching in competitive groups—coaching and officiating.

PHYSICAL EDUCATION FOR WOMEN

RUTH HARRIET ATWELL, PH.B., *Associate Professor of Physical Education for Women, Executive Officer.*

JANET PEARSON JONES, B.S., *Instructor in Physical Education.*

HELEN BENNETT LAWRENCE, *Instructor in Physical Education.*

RUTH MARY AUBECK, B.S., *Instructor in Physical Education for Women.*

SUSIE ROOT RHODES, *Lecturer in Physical Education for Women.*

Physical Education Courses 1-2 and 3-4 constitute the requirement for graduation and are compulsory for all freshman and sophomore women. Students entering the University with advanced standing are exempt from this requirement if they have satisfactorily completed the work elsewhere. Because of the necessity for uniformity of costume the required gymnasium outfit must be ordered through the office of the Director of Physical Education.

Upon entrance all students are given a complete medical and physical examination, stress being laid on investigation of conditions which are susceptible to improvement.

All requests for postponement of Physical Education must be made and approved at the office of the Director. No student is exempt from physical education work without the recommendation of the University Medical Staff and the Director of Physical Education. Exemption is based largely on the findings of the required medical and physical examination.

Students who are physically unable to do the regular work are assigned to individual gymnastic classes which are modified to suit their needs and conducted under the direct supervision of the resident physician.

All women students are urged to take at least one hour of exercise every day. The facilities of the Department are available for this purpose to all women students.

Curriculum for the four-year course, leading to the degree B.S. in Physical Education for Women—the first two years are offered in The Junior College (see page 80); the last two years in The School of Education.

FIRST SECTION

1-2. Freshmen (1-1)

The Staff
One lecture on Personal Hygiene and two periods of activity as outlined below are required each week.

Fall Season. During this season freshmen may elect one of the following sports: Hockey, soccer, or archery. *Section A*, Monday and Thursday, 1:30 p. m.; *Section B*, Tuesday

and Friday, 1:30 p. m.; *Section C*, Monday and Thursday, 2:30 p. m.; *Section D*, Tuesday and Friday, 2:30 p. m.

Winter Season. A fundamental course is required of all freshmen. This includes gymnastic exercises for the purpose of developing motor skills and good posture habits, tumbling, pyramid building, folk dancing, and games. *Section E*, Monday and Friday, 9:00 a. m.; *Section F*, Monday and Friday, 10:00 a. m.; *Section G*, Monday and Friday, 11:00 a. m.

Students may be assigned to small groups for individual gymnastics, if the examination indicates that this is advisable.

Spring Season. During this season all freshmen must elect swimming with the exception of those girls who can pass the swimming test, in which case they may elect one of the following activities: Track, baseball, or archery. Sections same as Fall Season.

Hygiene. One lecture a week throughout the year. *Section A*, Wednesday, 9:00 a. m.; *Section B*, Wednesday, 10:00 a. m.; *Section C*, Wednesday, 11:00 a. m.

3-4. *Sophomores (1-1)*

The Staff

Two periods of activity as outlined below are required each week.

Fall Season. During this season sophomores may elect one of the following sports: Hockey, soccer, golf, archery, tennis. *Section A*, Monday and Thursday, 1:30 p. m.; *Section B*, Tuesday and Friday, 1:30 p. m.; *Section C*, Monday and Thursday, 2:30 p. m.; *Section D*, Tuesday and Friday, 2:30 p. m.

Winter Season. During this season sophomores may elect one of the following activities: Natural dancing, clog and folk dancing, rifle, or basketball. *Section H*, Tuesday and Thursday, 9:00 a. m.; *Section I*, Monday and Thursday, 1:00 p. m.; *Section K*, Monday and Thursday, 2:00 p. m.; *Section L*, Tuesday and Friday, 2:00 p. m.

Spring Season. During this season sophomores may elect one of the following activities: Track, tennis, golf, archery, baseball, or advanced swimming. Sections same as Fall Season.

5-6. *Theory and Practice of Play Activities (3-3)*

Rhodes

Two lectures each week and two laboratory periods. This is a study of the age periods of the child and the adaptation of physical activities to these periods. Plays and games will

be taken up for use in playgrounds and school curricula. A study will be made of the history and organization of playgrounds and other community recreation.

7-8. *Theory and Practice of Physical Education* (3-3)

Atwell, Lawrence

Two lectures and four laboratory periods each week. This is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied and practice teaching in each one is required. The following activities are included: Gymnastics, apparatus and marching; folk, clog, and natural dancing; hockey; basketball; tennis; swimming; soccer; archery; baseball; track; and golf. These activities are scheduled according to season throughout the sophomore, junior and senior years.

SECOND SECTION

101-102. *Therapeutic Gymnastics and Physical Examinations* (3-3)

Lawrence

Three lectures each week. This course includes a study of the theory and mechanics of postural defects, practice in exercises suitable for such and for cases needing remedial work prescribed by a physician and a discussion of physical examination methods used in diagnosis of physical defects.

103-104. *Kinesiology* (3)

Aubeck

Three lectures each week. This course is a study of the anatomical mechanism of movements for the purpose of acquainting the student with means of analyzing movements intelligently and prescribing programs for developmental or corrective purposes.

106. *School Health Problems* (3)

Aubeck

Three lectures each week. This course considers the problems relating to the health of the school child and teacher. It includes discussions and reports relating to medical inspection, physical examinations, symptoms and control of common school diseases, malnutrition, and the health environment of the school child.

107. *History of Physical Education* (2)

Atwell

Two lectures each week. This course makes an historical survey of physical education including contemporary developments and a consideration of the biological and educa-

tional aspects of physical education with special reference to its place in education.

108. *Scouting and Other Adolescent Organizations* (2) Aubeck
Two lectures each week. This course includes a study of the adolescent organizations for boys and girls, discussing their educational values, their activities, and their application.
- 109-110. *Theory and Practice of Physical Education* (3-3) Atwell, Lawrence, Aubeck
Two lectures and four laboratory periods each week. This is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied and practice teaching in each one is required. The following activities are included: Gymnastics; apparatus and marching, folk, clog, and natural dancing; hockey; basketball; tennis; swimming; soccer; archery; baseball; track; and golf. These activities are scheduled according to season throughout the sophomore, junior and senior years.
- 111-112. *Organization and Administration of Physical Education* (3-3) Atwell
Three lectures each week. This course includes a study of the problems of organization for physical education in elementary and secondary schools and colleges. Problems to be discussed will cover interscholastic, intercollegiate, and intramural athletics, personnel of a department, equipment, and facilities, keeping of records, finances, schedules, publicity, scholastic and athletic eligibility, and professionalism.
- 113-114. *Theory and Practice of Physical Education* (3-3) Atwell, Lawrence
Two lectures and four laboratory periods each week. This is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied and practice teaching in each one is required. The following activities are included: Gymnastics; apparatus and marching, folk, clog, and natural dancing; hockey, basketball, tennis, swimming, soccer, archery, baseball, track, and golf. These activities are scheduled according to season throughout the sophomore, junior and senior years.

115. *Advanced Therapeutic Gymnastics* (3) Lawrence
One lecture and two laboratory periods each week. This is an advanced course in the subjects included in Course 101-102. The laboratory hours are spent in assisting in the individual gymnastics classes and with the physical examinations.
116. *Practice Teaching in Physical Education* (2) Atwell
Four laboratory periods each week. These periods are used for practice teaching in physical education activities. Criticism and analysis of the instruction is given by the supervisor.
117. *Physical Tests and Measurements* (2) Atwell
Three lectures each week. This includes a survey of tests and measurements in physical education with the theories underlying their use. There will be practice in giving tests; construction of learning curves; elementary statistics.
118. *Camp Leadership* (2) Lawrence
Three lectures each week. Camp leadership is taken up from the standpoint of camp organization, program making, camp activities, and qualifications of counselors.

PHYSICS

WILLIAM JACKSON HUMPHREYS, C.E., Ph.D., *Professor of Meteorological Physics.*

†THOMAS BENJAMIN BROWN, Ph.D., *Professor of Physics.*

WALTER LYNN CHENEY, Ph.D., *Professor of Physics, Executive Officer.*

RAYMOND JOHN SEEGER, Ph.D., *Assistant Professor of Physics.*

CHARLES EDWIN VAN ORSTRAND, M.S., *Lecturer in Mathematical Physics.*

JAMES LEWIS THOMAS, A.M., *Associate in Physics.*

HENRY JOSEPH WING, Ph.D., *Associate in Physics.*

Minimum requirements for the major:

For the A.B. degree: Physics—Physics 7-8 or 9-10; Differential and Integral Calculus; and at least 18 additional semester hours' credit in Physics. *Physical Science*—30 semester hours of Physics and Chemistry as specified by the Executive Officers of these Departments.

For the B.S. degree: Physics 7-8 or 9-10; Differential and Integral Calculus; Differential Equations; and at least 18 additional semester hours' credit in Physics.

FIRST SECTION

3-4. *Principles of Physics* (3-3)

Course 3 includes Properties of Matter, Heat, Magnetism. Course 4 includes Electricity, Sound, Light. These courses should not be taken by students who plan to do advanced work in science. (Not given in 1930-31.)

†7-8. *General Physics* (4-4)

Prerequisite: High School Physics. Material fee \$5.00 a semester. *Section A*, Tuesday, Thursday, Saturday, 11:10 a. m. *Laboratory*¹—Monday or Friday, 1:00 to 3:00 p. m. *Section B*, Monday, Wednesday, Friday, 5:10 p. m. *Laboratory*¹—Thursday, 5:00 to 7:00 p. m., or Wednesday or Friday, 6:30 to 8:30 p. m. *Summer Term 1930:* Course 7, daily except Saturday, 5:10 p. m. *Laboratory*—Tuesday, 7:30 to 10:30 p. m. Course 8, daily except Saturday, 6:10 p. m. *Laboratory*—Thursday, 7:30 to 10:30 p. m. May be taken concurrently with Course 7.

†9-10. *Beginners General Physics* (5-5)

May be taken by students who do not have credit for High School Physics. Equivalent in scope to Course 7-8. May be taken

† On sabbatical leave 1930-31.

rial fee \$8.00 a semester. Tuesday, Thursday, Saturday, 5:10 p. m. *Laboratory*¹—Tuesday and Thursday, 1:00 to 3:00 p. m., or Tuesday and Thursday, 7:30 to 9:30 p. m. *Summer Term 1930*: Course 9, daily except Saturday, 5:10 p. m. *Laboratory*—Tuesday and Thursday, 7:30 to 10:30 p. m. Course 10, daily except Saturday, 6:10 p. m. *Laboratory*—Tuesday and Thursday, 7:30 to 10:30 p. m.

- †15-16. *Physics for Engineering Students* (2-2) Cheney and Staff
Prerequisites: Physics 7-8 or 9-10, and Mathematics 12. Physics 7-8, *Section A*, may be taken concurrently with Physics 15-16, *Section A*. Material fee \$4.00 a semester. *Section A*, Tuesday, 9:10 a. m. *Laboratory*²—Saturday, 9:00 to 11:00 a. m. *Section B*, Thursday, 6:10 p. m. *Laboratory*²—Tuesday, 5:00 to 7:00 p. m.

SECOND SECTION

- 111-112. *Mechanics and Heat* (3-3) Cheney
Prerequisites: Physics 7-8 or 9-10; and Calculus. (Given 1929-30 and alternate years.)
- †115-116. *Light and Sound* (3-3) Brown
Prerequisites: Physics 7-8 or 9-10; Differential Calculus. Two lectures and one laboratory. Material fee \$4.00 a semester. (Given in 1929-30 and alternate years.)

- †123-124. *Magnetism and Electricity* (3-3) Cheney
Course 124 includes an introduction to modern theories of radiation and matter. Prerequisites: Physics 7-8 or 9-10; and Calculus. Material fee \$4.00 a semester. Monday and Friday, 6:10 p. m. *Laboratory*—Wednesday, 6:30 to 8:30 p. m.

- 131-132. *Advanced Laboratory Physics* (2-2) Brown
Prerequisites: One of the above second section courses or the equivalent. May be taken concurrently with 111-112. Material fee \$8.00 a semester. (Not given in 1930-31.)

THIRD SECTION

211. *Dynamics* (3) Seeger
Prerequisite: Physics 111 or its equivalent. Tuesday, Thursday, Saturday, 6:10 p. m.

¹ Assignments to laboratory sections of the above courses are made by cards to be obtained from the Physics Department representative, at the time of registration.

212. *Thermodynamics* (3) Seeger
Prerequisite: Physics 111-112 or the equivalent. Tuesday,
Thursday, Saturday, 6:10 p. m.
- †215-216. *Wave Motion and Physical Optics* (3-3) Brown
Prerequisites: Physics 115-116 or the equivalent. (Not given
in 1930-31.)
- †223-224. *Advanced Electrical Theory* (3-3) Cheney
Prerequisites: Physics 123-124 or the equivalent. (Given
in 1929-30 and alternate years.)
- 231-232. *Graduate Laboratory Physics* (2-2) Brown
For graduate students needing additional laboratory prac-
tice for research work. Material fee \$8.00 a semester. (Not
given 1930-31.)
- 251-252. *Atomic Structure* (3) *X-Rays and Radio Activity* (3) Seeger
Prerequisites: Physics 123-124 or the equivalent. (Given
in 1929-30 and alternate years.)
- †261-262. *Seminar in Mathematical Physics* (2-2) Van Orstrand
Theory of Elasticity is the topic to be considered in 1930-31.
Ibbetson—Mathematical Theory of Elasticity. Saturday,
5:10 p. m.
- †281-282. *Meteorological Physics* (3-3) Humphreys
The interpretation of meteorological data in the light of
modern Physics. Those wishing to make this their principal
study will be advised in the selection of a suitable problem
for investigation and in the collection of data necessary to
its solution. Hours to be arranged.

PHYSIOLOGY

LESLIE HOWSON FRENCH, M.D., *Professor of Physiology, Executive Officer.*
ROBERT JOSEPH BOSWORTH, A.B., M.D., *Associate Professor of Physiology.*
_____, *Instructor in Physiology.*

Total number of hours required in Physiology for the M.D. degree—279.

- 111-114. *Physiology* (145-145) French, Bosworth
Course of systematic lectures, recitations and conferences covering the physiology of Muscle, Nerve, Blood, Lymph, Circulation, Respiration, Digestion, Excretion, Secretion, Senses Organs, Metabolism, Endocrine and Central Nervous Systems. 3 hours weekly, first and second trimesters; 5 hours weekly, last trimester of the first year; 2 hours weekly, first trimester of the second year.

151. *Experimental Physiology* (120-0) French, Bosworth
Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes practical instruction in Electro-cardiography and Metabology. 10 hours per week in the first trimester of the second year.

251. *Clinical Physiology* (14-0) French
Course of laboratory exercises, ward demonstrations, and conferences covering clinical disturbances of function. The subject matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures and suggest rational preventive and curative therapeutic principles. Sections, 2 hours weekly for seven weeks, fourth year.

POLITICAL SCIENCE

†CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*

WARREN REED WEST, PH.D., *Associate Professor of Political Science, Executive Officer.*

JOHN ALBERT TILLEMA, PH.D., LL.B., *Associate Professor of Political Science.*

WILLIAM C. JOHNSTONE, JR., PH.D., *Instructor in Political Science.*

Minimum requirements for the major: 24 semester hours, in which 9-10 may be included.

Any second section course is open to students who have completed Course 9-10 or its equivalent. Permission of the department must be secured in other cases.

Permission of the department is necessary for registration in third section courses.

FIRST SECTION

- 9-10. *Government of the United States (3-3)* West and Staff
 Government of the United States; state government and a survey of city and county government.
Section A, Monday, Wednesday, Friday, 9:10 a. m.; *Section B*, Monday, Wednesday, Friday, 10:10 a. m.; *Section C*, Monday, Wednesday, Friday, 12:10 p. m.; *Section D*, Monday, Wednesday, Friday, 6:10 p. m.; *Section E*, Tuesday, Thursday, Saturday, 7:45 p. m.; *Section F*, Tuesday, Thursday, Saturday, 11:10 a. m.; *Section G*, Tuesday, Thursday, Saturday, 5:10 p. m.; *Section H*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930: Course 9, daily except Saturday, 6:10 p. m.*

SECOND SECTION

- 111-112. *Comparative European Governments (3-3)* Tillema
 Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930: Course 111 (2), daily except Saturday, 10:40 a. m.*
115. *Municipal Government in the United States (3)* Tillema
 Monday, Wednesday, Friday, 10:10 a. m. *Summer Term 1930: (2) Daily except Saturday, 9:40 a. m.*

† On sabbatical leave 1930-31

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| 116. | <i>Political Parties</i> (3) | Tillema |
| | Monday, Wednesday, Friday, 10:10 a. m. | |
| 117. | <i>Political Theory</i> (3) | West |
| | (Not given in 1930-31.) | |
| 121. | <i>Constitutional Law</i> (3) | West |
| | Tuesday, Thursday, Saturday, 10:10 a. m. | |
| 124. | <i>Legislative Organization and Control of Administration</i> (3) | West |
| | Tuesday, Thursday, Saturday, 10:10 a. m. | |
| 165. | <i>World Politics</i> (3) | Hill |
| | (Not given in 1930-31.) | |
| 171-172. | <i>International Relations</i> (3-3) | Johnstone |
| | Tuesday, Thursday, Saturday, 6:10 p. m. <i>Summer Term</i> | |
| | 1930: Course 171 (3), daily except Saturday, 5:10 p. m. | |
| 181-182. | <i>International Law</i> (3-3) | Johnstone |
| | Tuesday, Thursday, Saturday, 11:10 a. m. | |
| 191. | <i>The Near East</i> (3) | _____ |
| | Monday, Wednesday, Friday, 5:10 p. m. | |
| 192. | <i>Far East</i> (3) | _____ |
| | Monday, Wednesday, Friday, 5:10 p. m. | |
| †194-195. | <i>Political Institutions of Hispanic-America</i> (3-3) | Wilgus |
| | Monday, Wednesday, Friday, 8:00 a. m. | |

THIRD SECTION

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| 209-210. | <i>Seminar</i> (3-3) | West |
| | Tuesday, 6:10 to 7:50 p. m. | |
| 281-282. | <i>Seminar</i> (3) | Hill |
| | (Not given in 1930-31.) | |

PSYCHOLOGY

FRED AUGUST MOSS, Ph.D., M.D., *Professor of Psychology, Executive Officer.*
 WILLIAM MIDDLETON, A.M., *Lecturer in Psychology.*
 WILLIAM MOORE LOMAN, A.M., *Lecturer in Psychology.*
 THELMA HUNT, Ph.D., *Instructor in Psychology.*

Minimum requirements for the major: 24 semester hours in Psychology exclusive of Psychology 1 and 2. All courses to count toward the major must be approved by the Executive Officer of the Department.

For those who expect to enter the field of personnel management, the following courses are recommended: 15, 102, 119 or 120, 131, 141-142, 251-252. Political Science 9 and 10 and the Seminar in Political Science.

For those who expect to enter the field of Medicine, the following courses are recommended: 15-16, 119 or 120, 186, 191-192.

FIRST SECTION

1. *General Psychology* (3) Moss, Hunt
 The fundamental principles underlying human behavior. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 11:10 a. m. *Section C*, Monday, Wednesday, Friday, 5:10 p. m. *Section D*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930:* Daily except Saturday, 5:10 p. m.
2. *Applied Psychology* (3) Moss, Hunt
 The application of psychology in business, industry, law, medicine, and education. *Section A*, Monday, Wednesday, Friday, 10:10 a. m. *Section B*, Tuesday, Thursday, Saturday, 11:10 a. m. *Section C*, Monday, Wednesday, Friday, 5:10 p. m. *Section D*, Tuesday, Thursday, Saturday, 6:10 p. m. *Summer Term 1930:* Daily except Saturday, 6:10 p. m.
15. *Clinical Psychology* (3) Moss
 The causes, diagnosis and treatment of the various types of mental disorders, together with clinics. *Section A*, Tuesday, Thursday, Saturday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930:* Daily except Saturday, 7:40 a. m.
16. *Physiological Psychology* (3) Moss
 The biological foundations of behavior, both normal and abnormal with clinics. *Section A*, Tuesday, Thursday, Saturday, 10:10 a. m. *Section B*, Monday, Wednesday, Friday, 6:10 p. m.

SECOND SECTION

102. *Educational Psychology* (3) Hunt
The learning process; types of learning; methods, conditions, incentives; individual differences; transfer of training. Constant reference to experimental literature. Monday, Wednesday, Friday, 9:10 a. m.
104. *Psychology for Teachers* (2) Hunt
A briefer course than 102 but parallel with it. Saturday, 11:10 a. m. to 1:00 p. m. Summer Term 1930: Daily except Saturday, 10:40 a. m.
119. *Psychological Tests* (3) Hunt
The more common uses of psychological tests in business, industry, law, medicine, and education. Material fee \$3.00. Monday, Wednesday, Friday, 9:10 a. m.
120. *Psychological Tests* (3) Hunt
Same as 119. Tuesday, Thursday, Saturday, 5:10 p. m. Summer Term 1930: Daily except Saturday, 11:40 a. m.
131. *Statistics in Psychology and Education* (3) Hunt
Tuesday, Thursday, Saturday, 5:10 p. m. Summer Term 1930: Daily except Saturday, 6:10 p. m.
133. *Statistical Methods in Education* (2) Hunt
A briefer course than 131, but parallel with it. Saturday, 11:10 a. m. to 1:00 p. m.
141. *Employment Psychology* (3) Loman
The principles of job analysis, methods of selection, placement and promotion of personnel. Instruction in the use of standardized tests and research methods in cooperation with the personnel officers in local industrial organizations. Tuesday, Thursday, Saturday, 6:10 p. m.
142. *The Psychology of Advertising and Selling* (3) Loman
Tuesday, Thursday, Saturday, 6:10 p. m.
159. *Social Psychology* (3) Middleton
The principles underlying man's behavior in relation to others. Monday, Wednesday, Friday, 5:10 p. m.
186. *Comparative and Animal Psychology* (3) Middleton
The evolution of animal behavior from the lowest forms to man. Monday, Wednesday, Friday, 5:10 p. m.

191-192. *Experimental Psychology* (3-3)

Hunt

Technique and application of experimental methods in psychology. Material fee \$5.00. Monday, 11:10 a. m. *Laboratory*—Wednesday and Friday, 11:10 a. m. to 1:00 p. m.

THIRD SECTION

211-212. *Seminar* (3-3)

Moss and Staff

A seminar on emotions. Tuesday, 7:30 to 9:30 p. m. *Summer Term 1930*: Tuesday and Thursday, 7:50 to 10:00 p. m.

251-252. *Test Construction* (3-3)

The Staff

The principles underlying the construction and application of psychological, educational, and vocational tests. The class will construct and standardize certain tests. Thursday, 7:30 to 9:30 p. m.

PUBLIC SPEAKING

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking, Executive Officer.*

HENRY GODDARD ROBERTS, A.B., *Assistant Professor of Public Speaking.*

JOSEPH MILNOR DOREY, A.M., *Lecturer in Play Production.*

Minimum requirements for the major: 24 semester hours, including 103-104, 107 or 122, and 151.

FIRST SECTION

1. *Principles of Effective Speaking* (3) Yeager, Roberts
Speech composition; delivery; how to hold the attention and interest of an audience. Short, informative, persuasive and entertaining speeches on selected topics. Either semester and Summer Term.

First Semester—*Section A*, Monday, Wednesday, Friday, 10:10 a. m.; *Section B*, Monday, Wednesday, Friday, 11:10 a. m.; *Section C*, Monday, Wednesday, Friday, 5:10 p. m.; *Section D*, Tuesday, Thursday, Saturday, 5:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 6:10 p. m. Summer Term 1930: Daily except Saturday, 6:10 p. m.

4. *Business and Professional Speaking* (3) Yeager, Roberts
Preparation and oral presentation of the principal types of business speeches; as, oral reports, sales talks, inspirational talks, discussions of policy, personal conferences. Either semester. Prerequisite: Public Speaking 1, or permission of the instructor.

First Semester—*Section A*, Monday, Wednesday, Friday, 5:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 10:10 a. m.; *Section B*, Tuesday, Thursday, Saturday, 5:10 p. m.

5. *Argumentation and Debate* (3) Yeager, Roberts
Construction of arguments; adaptation to audiences; refutation; practice debates and discussions on political, economic and social questions. Either semester. Prerequisite: Public Speaking 1, or permission of the instructor.

First Semester—*Section A*, Monday, Wednesday, Friday, 6:10 p. m. Second Semester—*Section A*, Monday, Wednesday, Friday, 11:10 a. m.

8. *Oral Interpretation of Literature* (3)

Study and class presentation of readings drawn from various sources; analysis of literature to determine its suitability for oral presentation. Prerequisite: Public Speaking 1, or permission of the instructor.

Second Semester—*Section A*, Tuesday, Thursday, Saturday, 10:10 a. m.; *Section B*, Monday, Wednesday, Friday, 5:10 p. m.

SECOND SECTION

103-104. *Masters of Public Address* (3-3)

The style and methods of great orators from ancient to modern times, with particular emphasis on English and American orators. Prerequisite: six hours of Public Speaking, or permission of the instructor. Monday, Wednesday, Friday, 11:10 a. m. Yeager

108. *Persuasion and Forms of Public Address* (3)

Persuasive techniques. Inaugural, dedicatory, political and business addresses. Second Semester. Prerequisite: Public Speaking 4, or permission of the instructor. Monday, Wednesday, Friday, 5:10 p. m. Roberts

122. *Advanced Debate* (3)

Logical theory and its application; debate strategy; a study of great debates; practice discussions on political and legal subjects. Prerequisite: Public Speaking 5, or permission of the instructor. Monday, Wednesday, Friday, 6:10 p. m. Yeager

125-126. *Advanced Debate Practice* (3-3)

For advanced and skilled debaters. Practice debates on political, economic and social questions before actual audiences. Prerequisite: permission of the instructor. Wednesday, 7:30 to 9:30 p. m. Yeager, Roberts

151. *Dramatization* (3)

Acting and characterization; the theatre and dramatic production. Material fee \$5.00. Prerequisite: Public Speaking 8, or permission of the instructor. Tuesday, Thursday, Saturday, 6:10 p. m. Dorey

158. *Play Production* (3) Dorey
Scenery; costumes, makeup; lighting; properties. Students of this course will produce plays for public presentation. Material fee \$5.00. Prerequisite: Public Speaking 151. Tuesday, Thursday, Saturday, 6:10 p. m.

180. *Forum in Social Problems* (3) Yeager, Folsom
A study of social problems by the forum and discussion methods. This course is administered jointly by the departments of Public Speaking and Sociology. Summer Term 1930. Permission required. Daily except Saturday, 5:10 p. m.

THIRD SECTION

- 221-222. *Studies in English and American Oratory* (3-3) Yeager
Hours to be arranged.
- 241-242. *Problems in Persuasion and Business Speech* (3-3) Yeager
(Not given in 1930-31.)

ROMANCE LANGUAGES

GEORGE NEELY HENNING, A.M., Litt.D., *Professor of Romance Languages.*
 HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*
 CECIL KNIGHT JONES, B.Litt., *Lecturer in Spanish American Literature.*
 MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
Executive Officer.

RALPH BAXTER FOSTER, A.M., *Assistant Professor of Romance Languages.*
 ALAN THOMAS DEIBERT, A.M., *Assistant Professor of Romance Languages.*
 JAMES CHRISTOPHER CORLISS, A.M., *Assistant Professor of Romance Languages.*

IRENE CORNWELL, Ph.D., *Assistant Professor of Romance Languages.*

RAQUEL AHUMADA, A.M., *Instructor in Spanish.*

CHARLES FREDERICK KRAMER, JR., A.M., *Associate in French.*

ANDRÉ-MARIE-GEORGES BENÉTEAU, Ph.D., *Associate in French.*

Minimum requirements for the major: French: 24 units from 2nd or 3rd section courses, except 107-108. Spanish: 24 units from 2nd or 3rd section courses, except 107-108. Romance Languages: 12 units from 2nd or 3rd section courses, except 107-108, in one of the above and 12 units from 2nd or 3rd section courses in the other.

Note. Examinations for the purpose of waiving required courses in French and Spanish as provided on page —, regulation 3, will be both oral and written. Candidates for these examinations should consult the executive officer of the department prior to the date of examination.

FRENCH

FIRST SECTION

†1-2. *Beginning French (3-3)*

Grammar, translation, pronunciation. *Section A*, Monday, Wednesday, Friday, 9:10 a. m.; *Section B*, Tuesday, Thursday, Saturday, 9:10 a. m.; *Section C*, Monday, Wednesday, Friday, 5:10 p. m.; *Section D*, Monday, Wednesday, Friday, 6:10 p. m.; *Section E*, Tuesday, Thursday, Saturday, 5:10 p. m.; *Section F*, Tuesday, Thursday, Saturday, 6:10 p. m.

Section X (Course 1 begins February, 1931; Course 2 in September, 1930), Tuesday, Thursday, Saturday, 11:10 a. m. Deibert.

Summer Term 1930: Course 1-2, daily except Saturday, 5:10 to 7:00 p. m. Course 2, daily except Saturday, 7:00 p. m.

Deibert and Staff

- †5-6. *Intermediate French* (3-3) Cornwell and Staff
Reading of modern French, detailed grammar review, oral practice. Prerequisite: French 1-2 or two years high school French. *Section A*, Monday, Wednesday, Friday, 10:10 a. m.; *Section B*, Monday, Wednesday, Friday, 11:10 a. m.; *Section C*, Tuesday, Thursday, Saturday, 10:10 a. m.; *Section D*, Tuesday, Thursday, Saturday, 5:10 p. m.; *Section E*, Monday, Wednesday, Friday, 5:10 p. m.; *Section F*, Tuesday, Thursday, Saturday, 6:10 p. m.; *Section G*, Tuesday, Thursday, Saturday, 11:10 a. m.; *Section H*, Monday, Wednesday, Friday, 6:10 p. m. *Summer Term 1930*: Daily except Saturday, 5:10 to 7:00 p. m.

- *†7-8. *Elementary Conversation* (3-3) Beneteau
Composition and conversation. Prerequisite: French 1-2 or two years high school French. Tuesday, Thursday, Saturday, 5:10 p. m.

SECOND SECTION

- *†107-108. *Advanced Conversation* (3-3) Beneteau
Composition, conversation, study of style. Prerequisite: French 7-8. Tuesday, Thursday, Saturday, 6:10 p. m.

- †115-116. *Survey of French Literature* (3-3) Cornwell, Henning, Protzman
A general view of literature and literary background from the seventeenth to the nineteenth centuries inclusive. Lectures, translation, collateral reading, themes, conferences. Prerequisite: French 5-6.

Section A, Monday, Wednesday, Friday, 11:10 a. m.
Note: *Section A* will be conducted in French insofar as practicable.

Section B, Monday, Wednesday, Friday, 3:10 p. m.; *Section C*, Tuesday, Thursday, Saturday, 6:10 p. m.

- †119-120. *Literature of the Sixteenth Century* (3-3) Protzman
Origins of French Classicism. Prerequisite: French 115-116 (Given in 1929-30 and alternate years thereafter.) Tuesday, Thursday, Saturday, 5:10 p. m. *Note*: Attention is called to History 145.

* *Note*: Neither courses 7-8 nor 107-108 may be used to complete curriculum requirements of two years of modern languages nor may they be counted towards the twenty-four hours major requirements.

- †121-122. *Literature of the Seventeenth Century* (3-3) Henning
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Translation, collateral reading and reports thereon, lectures on history and literature. Prerequisite: French 115-116. (Given in 1929-30 and alternate years thereafter.) Monday, Wednesday and Friday at 5:10 p. m.
- †123-124. *Literature of the Eighteenth Century* (3-3) Deibert
History, philosophy, letters, drama, fiction, poetry. Lectures, translation, collateral reading and themes. Prerequisite: French 115-116. Tuesday, Thursday, Saturday, 5:10 p. m. (Given in 1930-31 and alternate years thereafter.)
- †125-126. *Literature from 1750 to 1850; the Romantic Movement* (3-3) Henning
History, criticism, travels, fiction, drama, lyric poetry. Translation, collateral reading and reports thereon, lectures on literature and history. Prerequisite: French 115-116. Monday, Wednesday, Friday, 5:10 p. m. (Given in 1930-31 and alternate years thereafter.)
- †127-128. *Literature from 1850 to the Present* (3-3) Henning
History, philosophy, criticism, fiction, drama, lyric poetry. Prerequisite: French 115-116. Monday, Wednesday, Friday, 11:10 a. m. (Given in 1929-30 and alternate years thereafter.)
- †129-130. *French Drama* (3-3) Foster
The French drama, beginning in the mediaeval period and coming to contemporary plays. Translation, collateral reading, lectures. Prerequisite: French 115-116. Tuesday, Thursday, Saturday, 4:10 p. m. (Given in 1931-32 and alternate years thereafter.)
- †139-140. *Modern Fiction* (3-3) Henning
The French novel and short story, from the beginning of the nineteenth century to the present. Translation, collateral reading, lectures. Prerequisite: French 115-116. Monday, Wednesday, Friday, 11:10 a. m. (Given in 1930-31 and alternate years thereafter.)

THIRD SECTION

- †249-250. *Seminar in Old French* (3-3) Doyle
Phonology and morphology of Old French. French literature to the end of the thirteenth century. Prerequisite: Elementary

knowledge of Latin; any second section course in French literature. (Given in 1929-30 and alternate years thereafter.)

- †251-252. *Seminar in Middle French* (3-3) Doyle
French language and literature of the fourteenth and fifteenth centuries. Prerequisite: French 249-250. Tuesday, 5:10 to 7:00 p. m. (Given in 1930-31 and alternate years thereafter.)

SPANISH

FIRST SECTION

- †1-2. *Beginning Spanish* (3-3) Foster and Staff
Grammar, translation, pronunciation. *Section A*, Monday, Wednesday, Friday, 9:10 a. m.; *Section B*, Monday, Wednesday, Friday, 11:10 a. m.; *Section C*, Tuesday, Thursday, Saturday, 11:10 a. m.; *Section D*, Monday, Wednesday, Friday, 5:10 p. m.; *Section E*, Monday, Wednesday, Friday, 6:10 p. m.; *Section F*, Tuesday Thursday, Saturday, 6:10 p. m.; *Section X* (Course 1 begins in February, 1931; Course 2 in September, 1930), Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930*: Course 1-2, daily except Saturday, 5:10 to 7:00 p. m. Course 2, daily except Saturday, 7:00 p. m.

- †5-6. *Intermediate Spanish* (3-3) Corliss and Staff
Grammar review, composition, translation of modern prose and poetry, collateral reading. Prerequisite: Spanish 1-2 or two years high school Spanish. *Section A*, Monday, Wednesday, Friday, 10:10 a. m.; *Section B*, Tuesday, Thursday, Saturday, 10:10 a. m.; *Section C*, Monday, Wednesday, Friday, 5:10 p. m.; *Section D*, Monday, Wednesday, Friday, 6:10 p. m.; *Section E*, Tuesday, Thursday, Saturday, 5:10 p. m. *Summer Term 1930*: Daily except Saturday, 5:10 to 7:00 p. m.

- *†7-8. *Elementary Conversation* (3-3) Ahumada
Composition and conversation. Prerequisite: Spanish 1-2 or two years high school Spanish. Tuesday, Thursday, Saturday, 5:10 p. m.

* Note: Neither Course 7-8 nor 107-108 may be used to complete the curriculum requirements of two years of modern languages nor may they be counted towards the twenty-four hours major requirements.

SECOND SECTION

- *†107-108. *Advanced Conversation* (3-3) Ahumada
Composition, conversation, study of style. Prerequisite:
Spanish 7-8. Tuesday, Thursday, Saturday, 6:10 p. m.
- †115-116. *Survey of Spanish Literature* (3-3) Corliss
A general study of literature from the seventeenth century
to the present. Lectures, translation, outside reading and
reports. Prerequisite: Spanish 5-6 or four years high school
Spanish. Section A, Monday, Wednesday, Friday, 11:10
a. m.; Section B, Tuesday, Thursday, Saturday, 6:10 p. m.
- †121-122. *Spanish Literature of the Golden Age* (3-3) Doyle
Cervantes, Lope de Vega, Calderon. The classic Spanish
drama. Origins and rise of the novel. The ballad. Lyric
poetry. Prerequisite: Spanish 115-116. Monday, Wednes-
day, Friday, 5:10 p. m. (Given in 1929-30 and alternate years
thereafter.)
- †125-126. *Spanish Literature from the Eighteenth Century to the Present* (3-3) Doyle
Development of modern drama, novel, and poetry. Con-
temporary writers. Prerequisite: Spanish 115-116. Monday,
Wednesday, Friday, 5:10 p. m. (Given in 1930-31 and alter-
nate years thereafter.)
- †127-128. *Spanish-American Literature* (3-3) Jones
Study of the leading critics, essayists, historians, novelists,
poets and dramatists of Spanish America. Prerequisite:
Spanish 115-116. Tuesday, Thursday, Saturday, 6:10 p. m.
(Given in 1929-30 and alternate years thereafter.)

THIRD SECTION

- †249-250. *Seminar in Old Spanish* (3-3) Doyle
Phonology, morphology, literature. Prerequisite: Elementary
knowledge of Latin; any second-section course in Spanish
literature. Thursday, 5:10 to 7:00 p. m. (Given in 1930-31
and alternate years thereafter.)

* Note: Neither Course 7-8 nor 107-108 may be used to complete the curriculum requirements of two years of modern languages nor may they be counted towards the twenty-four hours major requirements.

SOCIOLOGY

- †ROBERT RUSS KERN, A.B., *Professor of Sociology.*
 DUDLEY WILSON WILLARD, PH.D., *Professor of Sociology, Executive Officer.*
 JOSEPH KIRK FOLSOM, PH.D., *Visiting Professor of Sociology.*
 ELWOOD STREET, A.M., *Lecturer in Sociology.*
 J. BLAINE GWIN, A.B., *Lecturer in Sociology.*

Minimum requirements for the major: Sociology 27-28, 14 additional hours approved by the Executive Officer, and Anthropology 121-122.

FIRST SECTION

27. *Principles of Sociology* (3) Willard
 The genesis of group behavior and personality; factors underlying organized society and social change. Monday, Wednesday, Friday, 9:10 a. m. and 5:10 p. m. *Summer Term 1930: Daily except Saturday, 7:40 a. m.*
28. *Social Organization* (3) Willard
 Group life from the standpoint of the community and region; social institutions; social organization, disorganization, and social control. Monday, Wednesday, Friday, 9:10 a. m. and 5:10 p. m.

SECOND SECTION

111. *Educational Sociology* (3) Willard
 Education as a development of social life; social factors in public school administration. Monday, Wednesday, Friday, 6:10 p. m.
115. *Public Welfare Administration* (3) Willard
 The scope of government welfare work; the role of local, state and national agencies; history, trends, and current problems. Monday, Wednesday, Friday, 6:10 p. m.
119. *Educational Sociology* (2) Folsom
Summer Term 1930: Daily except Saturday, 8:40 a. m.
120. *School and Community* (2) Folsom
Summer Term 1930: Daily except Saturday, 10:40 a. m.
- 127-128. *Cultural Backgrounds* (2-2) Aiton
 A study of the cultural backgrounds and racial tendencies of immigrant peoples; a survey of the cultural backgrounds

† On sabbatical leave 1930-31.

of the foreign born in the District of Columbia. For social workers and teachers in Americanization Schools. Tuesday and Thursday, 6:10 p. m.

- 135-136. *Experimental Sociology* (3-3) Kern
Social behavior, customs, and social judgments upon such behavior. The student is expected to join the class in making careful observations of social conduct and in making a series of experiments adapted to the development of a better understanding and improved technics for the control of social conduct.

147. *Urban Sociology* (3) Kern
Historical growth of cities. Location of cities; causes of growth of cities. Influence of the city upon the cultural life of the city population.

148. *City Planning* (3) Kern
Garden city and metropolitan city planning. Principles of zoning. Facilities for recreation, health, beauty. Housing, the street system, transportation, the distribution system.

155. *Principles of Social Case Work* (3) Gwin
An introduction to the basic processes of case work, techniques of investigation, diagnosis, treatment, methods of interview, record writing, case work publicity, committee work and organization relationships. Intended for students who have had Sociology 27-28, or case work experience. Tuesday, Thursday, Saturday, 6:10 p. m.

156. *Problems in Social Case Work* (3) Gwin
Analysis of problem cases according to types, with emphasis upon evaluation and criticism. Limited to students who have had Sociology 155, or who have had case work experience. Tuesday, Thursday, Saturday, 6:10 p. m.

165. *Administration of Social Work* (2) Street
The organization, constitution, staffing, functions and duties of personnel and committees; the financing, housing, equipping, managing, and the public and cooperative relations of social agencies. There will be lectures, discussions, readings, and visits to selected agencies by the class. Wednesday, 7:10 to 9:00 p. m.

166. *History of Social Work* (2) Street
The principles and practices of charity from earlier stages to the present time, with study projects of members of the class devoted to the history of selected Washington charities. Wednesday, 7:10 to 9:00 p. m.
173. *Social Problems* (3) Willard
Problems of delinquency, crime, and anti-social behavior. Monday, Wednesday, Friday, 10:10 a. m.
176. *The Modern Family* (3) Willard
History and functions of the family; modern family problems; family, community, and modern social problems. Monday, Wednesday, Friday, 10:10 a. m.

THIRD SECTION

- 205-206. *Behavior Problems in Social Work* (3-3) Sherman
Psychiatric and psychological principles underlying the development of behavior problems in social work; objective observation of behavior problems in social work; analysis of case studies; outline of the principles of treatment of behavior problems, especially in relation to social conditions. Friday, 7:10 to 9:00 p. m. Laboratory period to be arranged.
- 251-252. *Seminar in Sociology* (3-3) Kern
Hours to be arranged.
- 261-262. *Seminar in Regional Sociology* (2-2) Willard
Field work, research, and assigned problems in community study. Tuesday, 7:00 to 8:40 p. m.

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WILLIAM KENNEDY BUTLER, A.M., M.D., *Professor Emeritus.*

-
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EDWIN KIRBY SMITH, M.D., *Clinical Instructor in Orthopedic Surgery.*
ELIZABETH EMERY CHICKERING, M.D., *Clinical Instructor in Anaesthesia.*

Total number of hours required in Surgery for the M.D. degree—606.

153-154. *Minor Surgery (22-22)*

Marbury

This course covers the principles of surgery, antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings and the technique of minor surgical procedures. 1 hour per week in the first and second trimesters of the third year.

- 201-206. *Surgical Clinics* (313-0) Surgical Clinical Staff
 Dispensary, amphitheater and bedside instruction in the practice and principles of surgery. Group instruction is given in general surgery, anaesthesia, neuro-surgery, ophthalmology, orthopedics, roentgenology and urology. Daily throughout the third and fourth years.
- 221-226. *General Surgery* (126-126) White, D. L. Borden, Leabetter
 Course of lectures and recitations covering general surgery as applied to the neck, thorax, abdomen and extremities. 2 hours per week throughout the third and fourth years. (Clinical hours are included in hour schedule of surgical clinics.)
- 233-234. *Roentgenology* (21-21) Moore, Groover
 The course consists in lectures and demonstrations, both practical and clinical. Fully equipped Roentgen laboratories are maintained and utilized in the University Hospital and the Garfield Memorial Hospital. 1 hour per week in the second and third trimesters of the third year.
253. *Anaesthesia* (12-12) Chipman
 Theoretical and practical instruction is given in the use of general and local anaesthetic agents. 1 hour per week in the first trimester, third year. (Clinical hours are included in hour schedule of surgical clinics.)
- 259-261. *Urology* (30-30) Hagner
 This course consists of lectures, bedside teaching and section clinics. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)
- 261-262. *Orthopedics* (30-30) Hall
 The course includes the etiology, pathology, symptomatology and treatment of congenital and acquired diseases of the bones and joints, the clinical instruction in the treatment and application of appliances for the correction of deformities. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)
- 265-266. *Ophthalmology* (20-20) Davis
 A lecture course presenting the principles of ophthalmology with special reference to topics of importance to the general practitioner. 2 hours per week in the first trimester of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

267-268. Oto-Laryngology (16-16)

Breeding

This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx and the ear. 1 hour per week in the first 16 weeks of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

275. *Neuro Surgery* (16-16)

Shugrue

This course consists of lectures and clinical instruction on surgery of the brain and nerves. 1 hour per week for 16 weeks in the second and third trimesters of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

ZOOLOGY

- PAUL BARTSCH, Ph.D., *Professor of Zoology, Executive Officer.*
 OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology.*
 LELAND ARTHUR BROWN, Ph.D., *Associate Professor of Zoology.*
 MARY QUICK BOWMAN, A.M., *Instructor in Zoology.*
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 FAY PIERCE BELJ, A.M., *Associate in Zoology.*
 EUGENIA GALTISOFF, *Associate in Zoology.*

Minimum requirements for the major:

Zoology: 24 semester hours, including one of the following groups:

- A. Courses 3-4, 121, 136, 137, 156.
- B. Courses 3-4, 53, 133-134, 151-152.
- C. Courses 3-4, 121, 145-146, 148.

Biological Science: 30 semester hours of Zoology and Botany as specified by the Executive Officers of these Departments.

FIRST SECTION

- 3-4. *Introduction to Zoology (4-4)* Brown, Bowman, McClosky
 Lectures and laboratory work introductory to the entire field of animal life. The first semester is devoted to a survey of the animal phyla; the second to a study of the underlying principles of general zoology. This course is required of all students majoring in Zoology or Biological Science. Material fee \$5.00 a semester; breakage deposit \$10.00.
Lectures—Section A, Monday and Friday, 5:10 p. m.; Section B, Tuesday and Thursday, 11:10 a. m. *Laboratory*—Section A, Monday, 6:10 to 8:00 p. m., and Friday, 7:10 to 9:00 p. m.; Section B, Tuesday and Thursday, 9:10 to 11:10 a. m.; Section C, Wednesday and Friday, 1:10 to 3:00 p. m.; Section D, Wednesday and Friday, 3:10 to 5:00 p. m.
53. *Nature Study (3)*
 A field course covering the range of habitat afforded by our own locality, intended to acquaint the students with living animals in their natural surroundings. Problems in ecology.
Summer Term: Daily except Saturday, 5:10 p. m. *Laboratory*—Daily except Saturday, 6:10 to 9:00 p. m.

Bartsch

SECOND SECTION

121. *Comparative Anatomy of Vertebrates* (3) Brown, Beij
Lectures, demonstrations and laboratory work to illustrate the comparative morphology and evolutionary history of vertebrate animals. Recommended as an elective for students intending to enter medicine. Material fee \$10.00. *Prerequisite:* Course 3-4. *Lecture*—Tuesday, 5:10 p. m. *Laboratory*—Section A, Tuesday and Thursday, 2:10 to 5:00 p. m.; Section B, Tuesday and Thursday, 7:10 to 10:00 p. m.
124. *Elementary Physiology* (3) McClosky
Lectures and laboratory correlating the structure and function of the human body. Material fee \$5.00; breakage deposit \$5.00. *Prerequisite:* Course 3-4. *Lecture*—Tuesday and Thursday, 5:10 p. m. *Laboratory*—Hours to be arranged.
127. *Heredity* (3) Brown
A lecture course intended to introduce the student to the field of genetics and eugenics. The course covers the physical basis of inheritance, the elementary laws of heredity and the applications of these laws to certain economic problems and to human inheritance. *Prerequisite:* Course 3-4 or Botany 1-2. Monday, Wednesday, Friday, 6:10 p. m.
- 133-134. *Ornithology* (2-2) Bartsch
A course intended to familiarize the student with the birds of eastern North America. One lecture, one two-hour laboratory period. *Lecture*—Friday, 6:10 p. m. *Laboratory*—In the National Museum. Hours to be arranged.
136. *Histology* (3) Bartsch, Galtsoff
This course familiarizes the student with histologic technique. The elementary tissues, the microscopic structure of the various organs and systems. This lays a foundation for an understanding of Physiology and Embryology. Material fee \$5.00; breakage deposit \$5.00. *Prerequisite:* Course 121. *Lecture*—Wednesday, 6:10 p. m. *Laboratory*—Hours to be arranged.
137. *Physiology* (3) McClosky
A course consisting of lectures, laboratory, reports and discussions of the more important phases of animal activity. Material fee \$5.00; breakage deposit \$5.00. *Prerequisite:* Course 136. *Lecture*—Wednesday, 6:10 p. m. *Laboratory*—Hours to be arranged.

†145-146. *Bacteriology* (3-3)

Hunter

General bacteriology; bacteriological technique; preparation of culture media; methods of sterilization and disinfection; a consideration of about ten non-pathogenic and fifty pathogenic bacteria; preparation of vaccines and sera, commonly employed in diagnosis. Moulds, yeast, spoilage of food and contamination of water are also considered. Course fee \$60.00; breakage deposit, per annum, \$10.00. Hours to be arranged.

147. *Clinical Microscopy and Parasitology* (3)

Hunter

Blood counting technique, hemoglobin estimation, and recognition of blood parasites. Study of normal and pathologic urine sediments, sputum, spinal fluid, stomach contents, feces, including animal parasites. Prerequisite: Course 3-4. Course fee \$40.00; breakage deposit \$5.00. Hours to be arranged.

148. *Pathology and Pathologic Technic* (3)

Hunter

A resume of normal Histology and Embryology, followed by a study of the inflammation, repair, degenerations, the effect of plant and animal parasites of physical and chemical agents, and the formation of new growths. Laboratory training in preservation, fixation, sectioning, staining, mounting of pathologic tissues, and their microscopic study. Prerequisite: Course 136. Course fee \$40.00; breakage deposit \$5.00. Hours to be arranged.

151-152. *Entomology* (3-3)

Popenoe

Lectures; the anatomy and life history and habits of insects representing the various orders and more important families of the class. Second term: a study of such insects as are of importance to agriculture and health; their life history and control. Laboratory: a study of typical forms and practice in identification. Material fee \$3.00; breakage deposit \$5.00. Prerequisite: Course 3-4. Lecture—Wednesday, 5:10 p. m. Laboratory—Monday and Friday, 5:10 to 7:00 p. m.

156. *Embryology* (3)

Brown

Lectures and laboratory. The first part of the course is devoted to the general principles of maturation, fertilization and cleavage. This is followed by a consideration of the development of the frog, chick, and pig as representative vertebrates. Material fee \$5.00; breakage deposit \$5.00. Prerequisite: Course 136. Lecture—Tuesday, 5:10 p. m. Laboratory—To be announced.

186. *Genetics* (3)

Brown

The course consists of problems, experiments, assigned readings, and special lectures in genetics. Material fee \$5.00. Prerequisite: Course 127 and consent of instructor. Hours to be arranged.

THIRD SECTION

†251-252. *Seminar* (2-2)

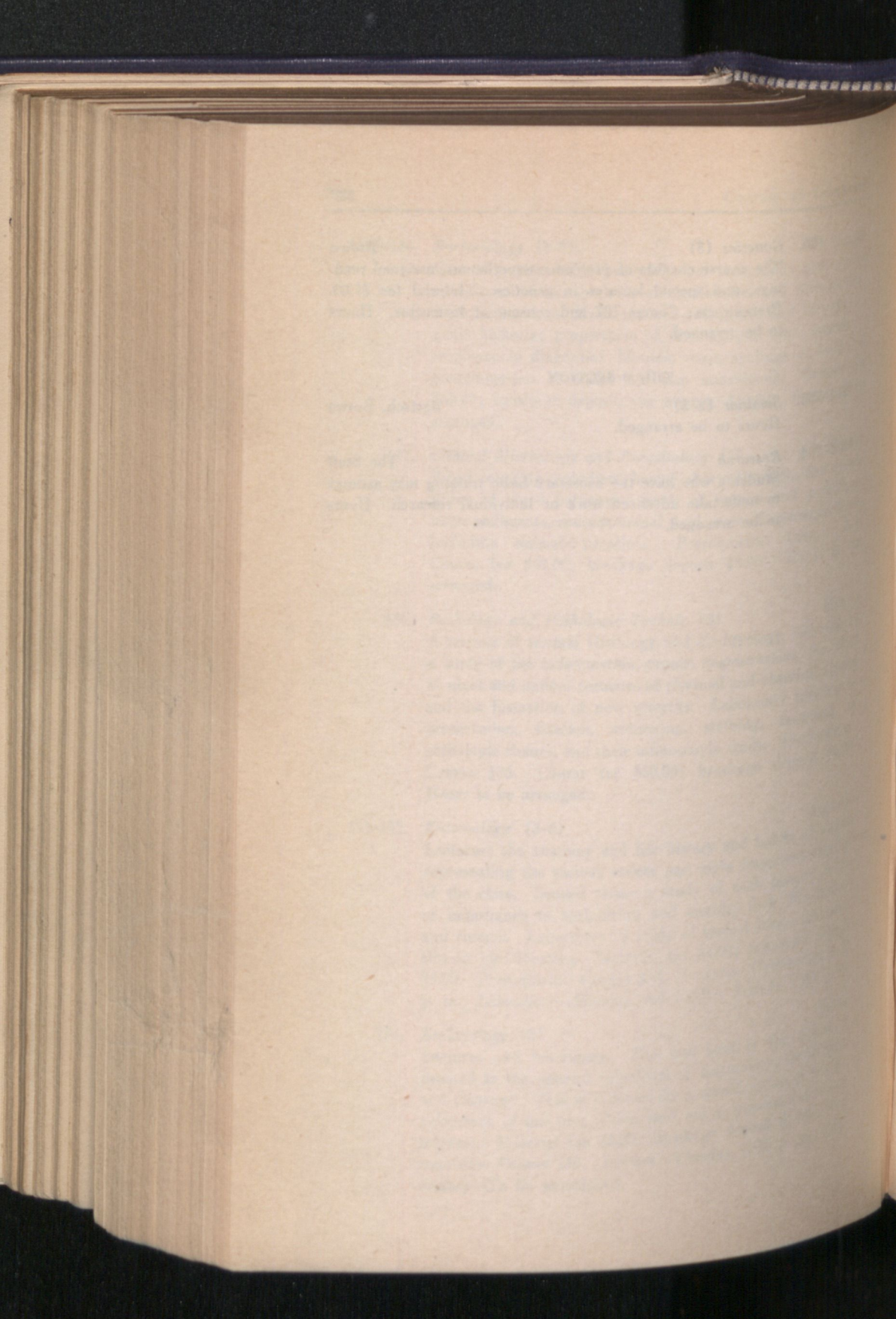
Bartsch, Brown

Hours to be arranged.

†253-254. *Research*

The Staff

Students who have the necessary basic training may arrange to undertake advanced work or individual research. Hours to be arranged.



UNIVERSITY ORGANIZATIONS

UNIVERSITY ORGANIZATIONS

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ALUMNI ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible to membership: *To active membership*—(a) graduates of any college, school or division of the University; (b) holders of honorary degrees from the University; (c) members of the Board of Trustees and of the Faculties of the University; *to associate membership*—any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing. The annual meeting is held during Commencement Week.

The office of the Executive Secretary of the Association is located at 2100 G Street, Washington, D. C. Alumni are urged to keep the Secretary informed of changes of address or occupation, and to supply information with regard to their fellow alumni.

1929-1930

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The George Washington University Medical Society was established in 1905 by alumni of The School of Medicine. Its purposes are to cultivate more friendly relations between the alumni and members of the faculty by means of social gatherings; to advance medical science; and to further the interests of the University in general.

1929-1930

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The Graduate Endowment Fund was founded by the Classes of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and funds are held in trust by the District National Bank in Washington, D. C. When the principal reaches the sum of \$100,000 the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request the Alumni Secretary of the University will furnish pledge blanks to alumni.

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Marcelle LeMénager, A.B. '28, The University.

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1929-1930

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Mrs. Edwin B. Behrend, M.S., 1854 Biltmore Street, Washington, D. C.
Ruth Hilton Bennett, A.M., 3420 Mt. Pleasant Street, Washington, D. C.

Recording Secretary

Maxine Girts, A.B., 4707 Connecticut Avenue, Washington, D. C.

Corresponding Secretary

Marcelle LeMénager, A.B., 2308 Ashmead Place, Washington, D. C.

Treasurer

Esther Foster, A.B., 3100 Connecticut Avenue, Washington, D. C.

Assistant Treasurer

Rhoda Watkins, A.M., 1429 Clifton Street, Washington, D. C.

Historian

Mrs. Theodore M. Knappen, M.S., 2925 Tilden Street, Washington, D. C.

THE BOARD OF LADY MANAGERS OF THE HOSPITAL

1929-1930

President

Mrs. Gilbert Grosvenor, 1328 18th Street N.W., Washington, D. C.

Vice Presidents

Mrs. Charles H. Tompkins, 1610 Park Road, Washington, D. C.
Mrs. Charles W. Richardson, Grant Road, Washington, D. C.
Mrs. Frederick W. True, 1869 Mintwood Place, Washington, D. C.

Treasurer

Mrs. S. E. Lewis, 1411 10th Street, Washington, D. C.

Assistant Treasurer

Mrs. William H. Aspinwall, 2100 Massachusetts Avenue, Washington, D. C.

Recording Secretary

Mrs. William J. Mallory, 1720 Connecticut Avenue, Washington, D. C.

Corresponding Secretary

Mrs. Harold G. Sutton, 105 West Underwood Street, Chevy Chase, Md.

STUDENT ORGANIZATIONS

HONOR SOCIETIES

Pyramid Honor Society. A senior honor society limited to ten men annually who have maintained excellent scholarship and have distinguished themselves in the advancement of student activities.

Sphinx Honor Society. A women's honor society established for the purpose of promoting high scholarship. Membership is limited to seven women students who have a scholarship average twenty per cent above passing.

The Order of the Coif. A national honor society the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Students are elected each year from the highest ranking ten per cent of the Senior Law Class.

Hour Glass Honor Society. A local honor society for women for the purpose of promoting high scholarship and an interest in student affairs among the women of the University.

Pi Delta Epsilon. Journalistic, for men.

Gamma Eta Zeta. Journalistic, for women.

Sigma Tau. Engineering.

Gate and Key. Interfraternity Society.

Delta Sigma Rho. Debating.

Phi Eta Sigma. A national honor society for freshman men who attain a scholastic average of at least fifty per cent A and at least fifty per cent B.

Alpha Lambda Delta. A national honor society for freshman women who attain a scholastic average of at least fifty per cent A and at least fifty per cent B.

Pi Gamma Mu. National Social Science Honor Society.

Omicron Delta Kappa. National honorary fraternity emphasizing leadership in extra-curricular activities.

Phi Sigma Rho. Honorary philosophic fraternity.

Theta Kappa Psi. Honorary medical society.

DEPARTMENT CLUBS

American Society of Civil Engineers, American Society of Mechanical Engineers, Architectural Club, Art Promoters League, Chemical Society.

El Circulo Espanol, Charles Clinton Swisher History Club, Home Economics Club, International Relations Club, Le Cercle Gallia, The Mathematics Club, Schoenfeld Deutsche Verein.

RELIGIOUS

Avukah, Episcopal Club, Menorah Society, Newman Club, Young Women's Christian Association, Baptist Students' Union.

MUSICAL

Men's Glee Club, Orchestra, Girl's Glee Club.

GENERAL

Columbian Debating Society, Drama Club, The Troubadours, Liberal Club, Interfraternity Council, Panhellenic Council, Law School Senate, Masonic Club, Modern Poetry Club, Philippinensian, Women's Advisory Council, Women's Athletic Association, Women's Legal Club, Radio Club, Colonial Club.

PROFESSIONAL FRATERNITIES

For Men. Phi Delta Phi (Legal), Phi Alpha Delta (Legal), Delta Theta Phi (Legal), Phi Chi (Medical), Alpha Kappa Kappa (Medical), Phi Delta Epsilon (Medical), Phi Lambda Kappa (Medical), Phi Delta Gamma (Forensic), Alpha Chi Sigma (Chemical), Scarab (Architectural), Phi Theta Xi (Engineering), Delta Phi Epsilon (Foreign Service), Sigma Gamma Epsilon (Geological).

For Women. Phi Delta Delta (Legal), Kappa Beta Pi (Legal), Chi Sigma Gamma (Chemical), Alpha Epsilon Iota (Medical), Phi Delta Gamma (Graduate Sorority).

FRATERNITIES

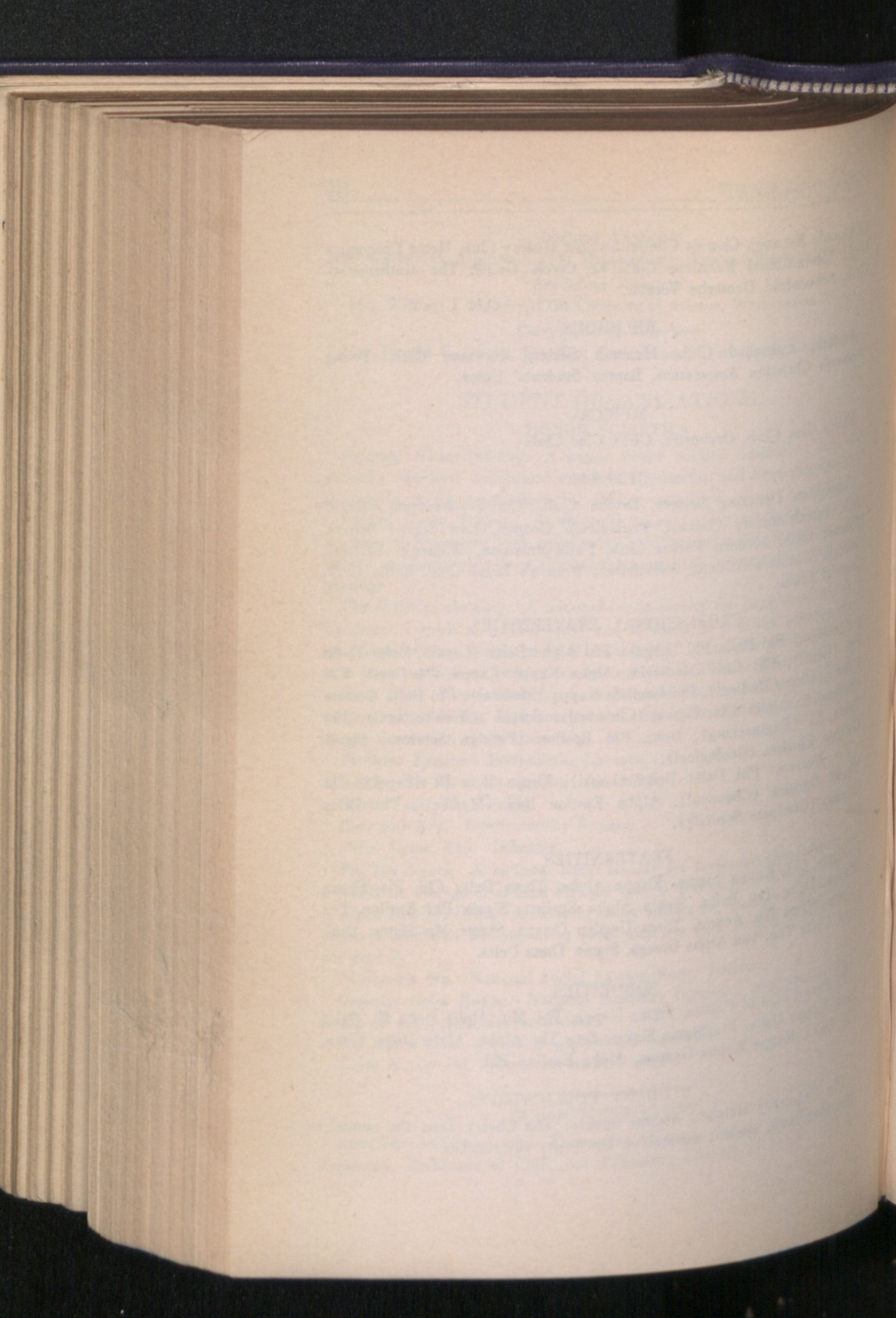
Sigma Chi, Kappa Sigma, Kappa Alpha, Theta Delta Chi, Phi Sigma Kappa, Delta Tau Delta, Sigma Alpha Epsilon, Sigma Phi Epsilon, Phi Alpha, Sigma Nu, Acacia, Theta Upsilon Omega, Sigma Mu Sigma, Omicron Alpha Tau, Tau Alpha Omega, Sigma Theta Delta.

SORORITIES

Pi Beta Phi, Chi Omega, Sigma Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Kappa Delta, Phi Sigma Sigma, Zeta Tau Alpha, Alpha Delta Theta, Phi Delta, Kappa Kappa Gamma, Alpha Epsilon Phi.

STUDENT PUBLICATIONS

The University Hatchet, student weekly; The Cherry Tree, the annual; The Handbook, student manual of University information.



THE UNIVERSITY RECORD

1929-1930

THE L. V. F. RECORD

1920-1921

DEGREES CONFERRED

COLUMBIAN COLLEGE

BACHELOR OF ARTS

June 12, 1929

ALICE ANTOINETTE ADAMS	District of Columbia
MARGARET ADAMS	Virginia
BERTHA WILSON ALLEN	District of Columbia
HENRY ROWLAND ALPERT	New York
MILTON WILLIAM AMSTER	New York
CATHERINE THOMSON ANDREWS	District of Columbia
CONSTANCE ROSSMOND AUD.	Maryland
RUTH SOMERS BABCOCK	New Jersey
CHARLES ERVIN BALDWIN, JR.	District of Columbia
IRMA MARGARET BAULSER	District of Columbia
ABRAHAM I. BEACHER	New York
MARY LEWIS BEARD	District of Columbia
(With Distinction)	
ELLIS DORWIN BEVER	Kansas
HENRY BLANK	New York
LOUIS CHARLES BOAS	New York
HELEN ELIZABETH BOCK	Maryland
MARJORIE VIRGINIA BOWMAN	West Virginia
MORRIS BRAND	New York
BERNARD BRANDNER	New York
MILDRED MAYBELLE BRASHEARS	District of Columbia
WILLIAM W. BRAUNER	District of Columbia
DAVID MORDECAI BRESSLER	New York
SMITH WILDMAN BROOKHART, JR.	Iowa
WILLIAM H. BROWN	Arkansas
WAYNE BUCHANAN	Maryland
RUTH ELIZABETH BUTLER	Tennessee
MYRTLE CAMPBELL	Alabama
THEO CAMPBELL	Alabama
CHARLES CARROLL	District of Columbia
CLARA LORENA CARROLL	Texas
CORINNE CHRISTIAN CHRISTIAN	Louisiana
ELIZABETH CLAGETT CLARK	District of Columbia
ARTHUR EDGAR CLIFF	District of Columbia
JOHN WILL COLE	Texas
MARGARET CORDELIA COLE	District of Columbia
VIRGINIA COLE	District of Columbia
ESTELLE BALDWIN CORNETTE	District of Columbia
CLAIRE LONDON COX	District of Columbia
MYRTLE VINES CROUCH	District of Columbia
MORTIMER H. DAVENPORT	District of Columbia
MURIEL BIRCHFIELD DAVIS	District of Columbia
ELIZABETH MARY DEKAY	District of Columbia
JULIA LEE DENNING	Virginia
HARRYMAN DORSEY	District of Columbia
(With Distinction)	District of Columbia
HARRY SAMUEL DOUGLAR	New York
ELIZABETH KERFOOT DRAKE	District of Columbia
LOUISE PIERCE DUBOSE	District of Columbia
(With High Distinction)	
JUSTIN LINCOLN EDGERTON	Virginia
JULIANA MARY ESCHER	Minnesota
JOSE EDMUNDO ESPIONSA	New Mexico
GRACE LILLIAN FLAGG	District of Columbia
(With Distinction)	
KARL FRIEDOLIN FRISBIE	New Jersey
HALDOR LOUIS GAHM	Ohio
EILEEN ADELLE GARDNER	North Carolina
MILDRED B. GARRETT	Virginia
BENJAMIN GOLDMAN	District of Columbia
STANLEY JOSEPH GORDON	Pennsylvania
ALICE A. GRAHAM	District of Columbia
(With Distinction)	
JOHN WALKER GREER	Kansas
ISIDORE GROSS	New York

ELEANOR FLORENCE HALL	District of Columbia
SOPHUS DEE HANSON	District of Columbia
WILLIAM HARDY, JR. (With Distinction)	District of Columbia
JULIA ROYALL HARNESBERGER	District of Columbia
MARY HELEN HARRINGTON	District of Columbia
LOLLA SMITH HARRISON (With Distinction)	Georgia
CATHERINE ELIZABETH HAYES	Virginia
WALTER ANTON HENDRICKS	Wisconsin
LAURA LIPPITT HERIOT	Porto Rico
GRAHAM LEMOINE HILL	District of Columbia
RALPH HILTON	Mississippi
ISIDORE LOUIS HOFFMAN	New York
BERNARDINE ELIZABETH HORN	District of Columbia
RALPH HENRY HOUSER	District of Columbia
HELEN WADSWORTH HUMPHREY	Maryland
ISABEL ESTELLA HUMPHREY	Maryland
EDWARD HAROLD HUNNICUTT (With High Distinction)	District of Columbia
MARGARET CLARKE HUNT (With Distinction)	District of Columbia
MAE LOSER HUNTZBERGER	District of Columbia
LEWIS ROBERTS IPFT	District of Columbia
WILLIAM SHERMAN IVES	Michigan
OSCAR AVELIN JACKSON	District of Columbia
ELIZABETH ANN JAMES	Michigan
MONNIE NEIL JONES	Florida
THOMAS OWEN JONES	Virginia
HARRIETT ELIZABETH KELLOND	Canal Zone
ELSIE SNOW KING (With High Distinction)	West Virginia
CHARLES ROGER KIRK	Ohio
ISIDORE I. KLEIN	New York
WILLIAM LAWRENCE KREBS (With High Distinction)	District of Columbia
MARK M. KROLL	New York
HOWARD GILBERT KULP, JR.	New Jersey
IRVING KURLANDZIK	New Jersey
LENORE LAFOUNT	Utah
BENJAMIN PAUL LAFSKY	District of Columbia
WILLIAM JAY LAZARUS	New York
MARY VIRGINIA LEE	District of Columbia
MAY ABERDEEN LEPELLEY	New York
NATHAN N. LEVEY	Rhode Island
SAMUEL GEORGE LEVIN	District of Columbia
ABRAHAM BUDNER LEWIS	District of Columbia
MARGARET LOUISE LOEFFLER	Porto Rico
MAYNARD BENJAMIN LUNDGREN	District of Columbia
FRANCISCO A. MARQUEZ	Virginia
JOHN FIRTH MARQUIS	District of Columbia
JANIE BASKERVILLE MARTIN	District of Columbia
MARY ALICE MATTINGLY (With Distinction)	District of Columbia
EARL COLE MCCLURE	Louisiana
DALLAS IVY MCGEEHEE	New Jersey
EDWARD I. MELICH	District of Columbia
MATTHEW MENDELSON	Virginia
JOHN HOLT MERCHANT	District of Columbia
THOMAS BALTHASAR MEYER	Maryland
FRANCES MARGARET MILBURN (With Distinction)	Florida
SUE ESTELLE MILNE	Arkansas
NANNIE MAUDE MOORE	District of Columbia
MARGARET KENNEDY MORELAND	District of Columbia
MARI MORHART	North Dakota
FRANCES COCHRANE MYERS	District of Columbia
RUTH THEODORA NEWBURN (With Distinction)	District of Columbia
BERNARD ISAAC NORDLINGER (With Distinction)	Virginia
MAUDE IRENE O'FLAHERTY	Maryland
MINA ISOBEL OSTROLENK	New York
JACK ARNOLD PACKTOR	

RUTH ANDERSON PARKS.....	Massachusetts
JOSE RAFAEL PASSALACQUA.....	Porto Rico
RICHARD SHARPE PATTERSON.....	Pennsylvania
NATHAN PENSKY.....	New York
BENJAMIN VAIL PERSON.....	District of Columbia
EVELYN VIRGINIA PIERSON.....	District of Columbia
EMILY B. PILKINTON.....	District of Columbia
EDWARD RICHARD PREININGER.....	Pennsylvania
HELEN LOUISE PRENTISS.....	District of Columbia
MARGARET VIRGINIA REES.....	Virginia
BENJAMIN REFF.....	New York
EULA AGNES REYNOLDS.....	Georgia
ISABEL ROBBINS.....	District of Columbia
(With High Distinction)	
FRANCES WALKER ROBINSON.....	Virginia
ALLEN SIDNEY ROSUCK.....	New York
TRUSS U. RUSSELL.....	Arkansas
HARRY BERNARD SCHIFFER.....	New York
MILDRED RUTH SENIOR.....	Kansas
(With High Distinction)	
CHARLES THOMAS SHANNER.....	District of Columbia
MORRIS SILVERMAN.....	District of Columbia
MARY MIDDLETON SINGLETON.....	Virginia
GEORGE HENRY SLYE.....	District of Columbia
DOROTHY RYDER SMITH.....	Maryland
HEWITT WYATT SMITH.....	Maryland
MORRIS LOUIS SOLODOWSKY.....	New York
E. MCKAY STEVENSON.....	Utah
FRANCIS NEILSON STRAWBRIDGE.....	District of Columbia
LUCY ADA SWANTON.....	District of Columbia
LEON ANTHONY TASHOF.....	District of Columbia
PHOEBE MARY TAUBERSCHMIDT.....	District of Columbia
HELEN S. TAYLOR.....	Maryland
MAX MELVILLE TENDLER.....	District of Columbia
EUGENE SHORR THOMAS.....	District of Columbia
GEORGE CARY TOBIE.....	District of Columbia
MAURICE VINCENT TOUMARKINE.....	Maine
DORA MIRIAM TUOFF.....	Delaware
(With Distinction)	
GEORGE A. VONDACHENHAUSEN.....	District of Columbia
SAMUEL ALBERTUS WATKINS.....	North Carolina
MARGARET WHEELER.....	District of Columbia
(With High Distinction)	
MARJORIE WHITE.....	District of Columbia
FLORENCE NETTA-LEONA WICK.....	Minnesota
NORMA WINDSOR.....	Maryland
(With Distinction)	
N. FAYE WOODWARD.....	Kansas
ELIZABETH HOWARD WRIGHT.....	District of Columbia
MILES AUGUSTUS YALE.....	Connecticut
CHARLOTTE SARAH YOCHELSON.....	District of Columbia
JOHN CLIFTON YOUNG.....	Georgia
October 9, 1929	
SOLOMON BROOKS.....	New York
WILLIAM WOODBRIDGE CHAMPION.....	California
ALICE ASHTON B. COLEMAN.....	South Carolina
SARA MILLIGAN DAY.....	District of Columbia
JOSEPHINE ANNE FISHER.....	Wisconsin
CHARLES HAYDEN FLECK.....	Pennsylvania
EVELYN RENN FLETCHER.....	District of Columbia
JOSEPH GOLDMAN.....	District of Columbia
LEON STUART GORDON.....	District of Columbia
M. D. 1928, The George Washington University.	
KENNETH LANCASTER HOBBS.....	Pennsylvania
RUTH TAYLOR KERNAN.....	Maryland
JAMES E. JONES.....	District of Columbia
PAUL HAMILTON KEOUGH.....	Ohio
LUCIEN HARPER KERNS.....	District of Columbia
MORRIS AARON KLATZKIN.....	Maryland
HOWARD S. PAYNE.....	District of Columbia
	Virginia

ROBERT FRANCIS PONTIER	Pennsylvania
JOSEPH PRULITSKY	New Jersey
IRL CORLEY SCHOONOVER	West Virginia
WILLIAM F. SHERIDAN	District of Columbia
GEORGE D. SIMMS	District of Columbia
DONALD HARRISON STUBBS	District of Columbia
(With Distinction)	
GUSSIE ARNOLD WALLERSTEIN	District of Columbia
ROBERT SNEAD WILLIAMS, JR.	District of Columbia
JARED DUNN WOLFE	Pennsylvania
KENNETH JOHN YEARNIS	District of Columbia

February 22, 1930

JEAN MACBURNAY ARROWSMITH	Pennsylvania
ALICE MORTON BALL	District of Columbia
(With Distinction)	
CATHARINE THACKERAY BANNERMAN	Virginia
FRIEDA ANN BARSKY	District of Columbia
(With Distinction)	
PHILIP FLETCHER BELL	Colorado
NORMAN L. BENZING	Maryland
SAMUEL BITMAN	District of Columbia
JAMES H. BEALS BOGMAN	District of Columbia
MAURICE YALE BYER	New Jersey
FORREST MOORE CARMACK	Virginia
LEON JACK CONN	Wisconsin
GRACE MARIE EDDY	District of Columbia
GEORGIA G. EIKER	District of Columbia
ABNER FRANK	Virginia
ISADORE FREIDSON	District of Columbia
FRANCES EVELYN HEID	District of Columbia
CATHERINE MAGILL HOUCK	New York
MEYER KOCH	Montana
THOMAS AUGUSTINE MCCARTHY	District of Columbia
JOSE BALANON MARTINEZ	District of Columbia
ELIZABETH WEBB MILES	New York
CHARLOTTE FRANCES L. MURPHY	District of Columbia
ANNIE WHITE PEARCE	District of Columbia
HAZEL ALBERTA PETERSON	District of Columbia
(With Distinction)	
HELEN VIRGINIA SMITH	District of Columbia
CORA LUCILE SPITZER	Kansas
E. GWENDOLIN TAYLOR	Maryland
WILLIAM DOVE THOMPSON	

BACHELOR OF SCIENCE

June 12, 1929

ROWENA ELOEEN RADCLIFFE	District of Columbia
(With Distinction)	

October 9, 1929

JOHN BOZIEVICH	Utah
ALFRED JULIUS MONTEKA	Minnesota

February 22, 1930

WILLIS PARKINSON POPENOE	California
(With Distinction)	

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

DOCTOR OF PHILOSOPHY

June 12, 1929

IRVING ALSON DENISON	District of Columbia
B.S. 1920, University of Illinois	
M.S. 1921, University of Illinois	
Thesis: The Chemical Alteration of Muscovite and Biotite in the Development of the Soil Profile	
FRANCES M. EARLE	South Carolina
A.B. 1918, Winthrop College	
M.S. 1926, Columbia University	
Thesis: Geographic Influences Upon British Economic Policy in West Africa	
ORVILLE EDWARD MAY	Iowa
A.B. 1924, The George Washington University	
M.S. 1926, The George Washington University	
Thesis: The Micro-Biological Production of Organic Acids from Carbohydrates, With Particular Reference to the Formation of D-Gluconic Acid from Dextrose	
DEAN DEPEW McBRIEN	Arkansas
A.B. 1914, University of Nebraska	
A.M. 1920, Columbia University	
Thesis: The Influence of the Frontier on the Life and Work of Joseph Smith	
HENRY KAY PASMA	Maryland
A.B. 1910, Hope College	
A.M. 1913, Hope College	
Thesis: The Contribution of the Frisians and the Dutch to the Philosophical Idea of Freedom	
JOHN THOMAS SCANLAN	District of Columbia
B.S. 1923, University of Illinois	
M.S. 1925, The George Washington University	
Thesis: The Preparation and Spectrophotometric Study of Some New Dyes of the Magenta Group	
HURD CURTIS WILLET	District of Columbia
B.S. 1924, Princeton University	
Thesis: Fog and Haze, Their Causes, Distribution and Forecasting	
EDGAR WILLIAM WOOLARD	District of Columbia
A.B. 1923, The George Washington University	
A.M. 1926, The George Washington University	
Thesis: The Theory of Halos	

MASTER OF ARTS

June 12, 1929

NINA M. BOOTH	New York
A.B. 1927, The George Washington University	
C. A. W. BROCKLERANK	Ohio
A.B. 1926, University of Wales	
FRANK REPP CALDWELL	District of Columbia
B.S. 1925, The George Washington University	
LIONEL HENRY CAMPFIELD	District of Columbia
A.B. 1925, The George Washington University	
L.L.B. 1913, Georgetown University	
L.L.M. 1914, Georgetown University	
M.P.L. 1914, Georgetown University	
SAMUEL POE CARDEN	District of Columbia
A.B. 1918, The George Washington University	
A.M. 1922, American University	
JUNE COOPER	Maryland
A.B. 1925, The George Washington University	
WILLIAM BOYD CRAIG	District of Columbia
A.B. 1922, Washington and Jefferson College	
MAXWELL ALVORD DEVOE	District of Columbia
A.B. 1928, The George Washington University	
ELISE MAY DURBROW	California
A.B. 1926, Connecticut College for Women	
CLEON KING FIERSTONE	District of Columbia
A.B. 1928, The George Washington University	

PAUL GARDNER	California
A.B. 1928, The George Washington University	
MICHAEL GOLDBERG	Pennsylvania
B.S. in E.E. 1925, University of Pennsylvania	
HENRY HEATON	Virginia
A.B. 1926, University of Virginia	
PEARL HICKS	Florida
A.B. 1928, The George Washington University	
HENRY FURNESS HUBBARD	Maryland
A.B. 1928, The George Washington University	
PATTY ANN JAMISON	Colorado
A.B. 1926, The George Washington University	
MATALEE TALBUTT LAKE	District of Columbia
A.B. 1927, The George Washington University	
JOHN HENRY MADONNE-PALASSOU	District of Columbia
A.B. 1927, Baylor University	
FLORENCE GERTRUDE MILES	District of Columbia
A.B. 1924, Oberlin College	
MILDRED JOSEPHINE MOORE	District of Columbia
A.B. 1920, The George Washington University	
HENRY McALLEN MORRIS	District of Columbia
A.B. 1923, Davidson College	
JOHN EWING ORGAN	Indiana
A.B. 1928, University of Indiana	
LOTTIE MILDRED PEIRCE	Ohio
A.B. 1927, The George Washington University	
WILLIAM FREDERICK ROESER	District of Columbia
B.S. in E.E. 1925, The George Washington University	
JACOB ROSENTHAL	New York
A.B. 1928, The George Washington University	
WALTER R. SIDERS, JR.	District of Columbia
A.B. 1927, University of Idaho	
WILLIAM MILTON SLADEN	District of Columbia
A.B. 1923, The George Washington University	
UNA VENABLE TUCKERMAN	Maryland
A.B. 1899, University of Cincinnati	
SAMUEL FOSTER TURNER	District of Columbia
B.S. in C. and I.E. 1926, Colorado Agricultural College	
October 9, 1929	
LUCILE DRUMMOND APPLEBY	Maryland
A.B. 1927, The George Washington University	
LULA FERN CLINE	Indiana
A.B. 1920, Taylor University	
JAMES CHRISTOPHER CORLISS	California
A.B. 1914, Harvard University	
JEWELL J. GLASS	Mississippi
A.B. 1926, The George Washington University	
NEWELL E. GOOD	Ohio
A.B. 1927, Heidelberg University	
EVELYN WELLINGTON JONES	District of Columbia
A.B. 1921, The George Washington University	
EULALIE LACAZE	Texas
A.B. 1928, The George Washington University	
F. T. McCOLLUM	Texas
A.B. 1924, Baylor University	
JAMES T. OWENS	District of Columbia
B.S. 1917, Cornell University	
MATHILDE DOROTHEA WILLIAMS	District of Columbia
A.B. 1925, The George Washington University	
February 22, 1930	
DOUGLAS BEMENT	District of Columbia
A.B. 1919, Yale University	
LL.B. 1922, University of Michigan	
DOROTHY HOOD FIELD	District of Columbia
A.B. 1928, The George Washington University	
MARY WINIFRED McMINIMY	District of Columbia
A.B. 1927, University of Maryland	
MARJORIE PAUL	District of Columbia
A.B. 1917, Goucher College	
LACY R. PUGH	Mississippi
A.B. 1926, The George Washington University	

CLYDE ROBERTS	District of Columbia
A.B. 1927, The George Washington University	
ANITA BELLE (HANNA) WOODWORTH	Indiana
A.B. 1928, The George Washington University	

MASTER OF SCIENCE IN CHEMISTRY

June 12, 1929

STEPHEN BRUNAUER	District of Columbia
A.B. 1925, Columbia University	
ROSCOE BRINSON	Maryland
A.B. 1913, Texas Christian University	
HELEN MARIE DYER	District of Columbia
A.B. 1917, Goucher College	
IRVIN CARL FEUSTEL	Washington
B.S. 1927, Washington State College	
ROBERT ELVERD HARRIS	South Dakota
A.B. 1925, Sioux Falls College	
HIRAM MILLARD JOSLIN	Iowa
A.B. 1922, Coe College	
FRANK ARTHUR SPURR	Iowa
B.S. in Chem. 1921, The George Washington University	

MASTER OF SCIENCE IN ZOOLOGY

June 12, 1929

BENJAMIN G. CHITWOOD	Virginia
A.B. 1928, Rice Institute	

MASTER OF SCIENCE IN PHYSICS

June 12, 1929

RAY PALMER TEELE	District of Columbia
B.S. in E.E. 1927, University of Michigan	

MASTER OF SCIENCE

June 12, 1929

MARY ELLEN SNYDER GIBSON	District of Columbia
A.B. 1928, The George Washington University	

MASTER OF SCIENCE IN CHEMISTRY

October 9, 1929

CAREY BIRDSONG JACKSON	Mississippi
B.S. 1928, Mississippi Agricultural and Mechanical College	
KENNETH GOODENOUGH	Indiana
A.B. 1928, Albion College	
ORUS F. KRUMBOLTZ	Iowa
B.S. 1927, Iowa State College	
WILLIAM ELLSWORTH EVANS, JR.	District of Columbia
B.S. in Chemical Engineering 1929, The George Washington University	

February 22, 1930

NORMAN BEKKEDAH	Minnesota
B.S. 1925, University of Minnesota	
THOMAS JAMES HOLMES 2ND	Maryland
B.S. 1924, University of Maryland	
EDWARD M. SCHOBEL, JR.	Arkansas
A.B. 1927, Centre College	

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

June 12, 1929

LEBERYL HENDERSON ALEXANDER.....	Oklahoma
B.S. 1927, University of Oklahoma	
ISADORE MEYER ALPHER.....	District of Columbia
A.B. 1926, The George Washington University	
LENARD MILO ANDRUS.....	Idaho
B.S. 1921, Utah Agricultural College	
JOHN MARION BABER.....	District of Columbia
LL.B. 1922, Georgetown University	
LL.M. 1923, Georgetown University	
*LOUIS BERNARD BACHRACH.....	District of Columbia
WILLIAM COPELAND BATY.....	Alabama
*THENTON DAVID BOAZ.....	Kentucky
*OMAR JESSE BROWN.....	North Carolina
A.B. 1925, The George Washington University	
*FRANCIS J. BUCKLEY.....	New York
DANIEL MALCOLM CERONE.....	New Jersey
*NATHAN BERTRAM COHEN.....	New Jersey
A.B. 1926, The George Washington University	
*JERRY KEITH CROMER.....	Virginia
JOHN VINCENT D'ANGELO.....	New York
JULIUS DANKBERG.....	New York
B.S. 1924, Columbia University	
FREDERICK JOSEPH DeNATALE.....	Pennsylvania
*VICTOR WILLIAM EISENSTEIN.....	District of Columbia
B.S. 1925, University of Pittsburgh	
*MARTIN CARROLL FLOHR.....	New York
A.B. 1926, The George Washington University	
SYLVAN ALFRED FRANKENTHALER.....	New York
*HAROLD FRUCHTER.....	Porto Rico
A.B. 1925, The George Washington University	
DAVID ERASTO GARCIA.....	Maryland
PERRY WILLIAM GARD.....	New York
*VICTOR GENCO.....	District of Columbia
JOHN PAUL GIBSON.....	Oklahoma
A.B. 1925, Abilene Christian College	
*HARRY A. GILBERT.....	Connecticut
A.B. 1926, The George Washington University	
*FRANCIS ELMER GILFOY.....	New York
*MORRIS H. GOLDENBERG.....	District of Columbia
A.B. 1926, The George Washington University	
*EDGAR LEONARD GOODMAN.....	Canada
A.B. 1926, The George Washington University	
VINCENT C. GOULD.....	District of Columbia
(With Distinction)	
*ROBERT HOWE HARMON.....	District of Columbia
A.B. 1915, Millsaps College	
MELVILLE LYNWOOD HEIGES.....	District of Columbia
A.B. 1926, The George Washington University	
DOWE S. HESS.....	New York
*LEO KESSLER.....	District of Columbia
A.B. 1926, The George Washington University	
ALICE HEYL KIESSELING.....	District of Columbia
A.B. 1925, Cornell University	
*ALEXANDER C. LEONARDO.....	District of Columbia
ISADORE LEVIN.....	New York
*NED ARTHUR LEWIS.....	New York
*JESS JOSEPH LIEBERMAN.....	District of Columbia
A.B. 1926, The George Washington University	
*EMMETT BRYAN LITTERRAL.....	District of Columbia
A.B. 1925, The George Washington University	
PHILIP LITVIN.....	District of Columbia
WILLIAM ELLIS LONG.....	Maryland
HENRY MARSHALL LOWDEN.....	District of Columbia
LEONARD DANIEL MCCARTHY.....	District of Columbia
A.B. 1925, The George Washington University	
*GEORGE HENRY McLAEN.....	District of Columbia
A.B. 1926, The George Washington University	

*JOHN EDWARD McLAIN.....	District of Columbia
A.B. 1926, The George Washington University	
*HERMAN PAUL MILLER.....	New Jersey
B.S. 1926, New York University	
WILLIAM MISSONELLIE.....	New Jersey
Theron H. Morgan.....	Ohio
A.B. 1926, Ohio University	
*OSCAR NORELL.....	Maine
A.B. 1923, University of Maine	
*JOEL NORTON NOVICK.....	New York
B.S. 1923, College of the City of New York	
FERDINAND PIAZZA.....	New York
B.S. 1926, College of the City of New York	
ISRAEL PINTOV.....	New York
JOSEPH SADOFF.....	New York
LOUIS SAFRAN.....	New York
B.S. 1925, College of the City of New York	
*ESTERINO ELIA SANTEMMA.....	New York
B.S. 1926, New York University	
*JOHN U. SCHWARZMANN.....	Virginia
*FRANK WENDALL SENA.....	New Jersey
BENJAMIN SHERMAN.....	Connecticut
*BERNARD SILVERSTEIN.....	New York
B.S. 1925, College of the City of New York	
BLANCHE TABOR.....	Virginia
A.B. 1922, The George Washington University	
LOUIS TICKNER.....	Pennsylvania
A.B. 1927, The George Washington University	
Ph.G. 1923, Philadelphia College of Pharmacy	
DANIEL BOONE WASHINGTON.....	District of Columbia
A.B. 1926, The George Washington University	

* These members have satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and will receive their commissions as First Lieutenants of the Medical Reserve Corps.

THE SCHOOL OF NURSING DIPLOMA

June 12, 1929

HAZEL GAIL ATHEY.....	West Virginia
MARGARET WHITMORE HYATT.....	West Virginia
LUCILLE CRESCENTIA BRUNNER.....	Minnesota
RUTH B. MARMADUKE.....	Virginia
ALMA LOREE POWELL.....	West Virginia
FLORA MAY TOMS.....	Pennsylvania
GRACE ELIZABETH HARTMAN.....	Pennsylvania
VELMA CHRISTINE SHAW.....	North Carolina
DOROTHY LUCILLE WOLVERTON.....	District of Columbia
ADDIE MAY CARROLL.....	Louisiana
ROBERTA ALICE SEWARD.....	Indiana
KATHERINE AGNES FARRELL.....	Maryland
EDITH GRAHAM.....	Virginia
MARY EDITH SCHMID.....	Virginia
BETTY FLETCHER.....	Virginia
ESTHER MARIE ENR.....	Virginia
GEORGIA CORINNE PURVIS.....	Pennsylvania
	Virginia

THE LAW SCHOOL

BACHELOR OF LAWS

June 12, 1929

MORRIS ABRAMOWITZ	Connecticut
CLARENCE RICHARDSON BARROW	California
LEROY SCHWAAG BENDHEIM	Virginia
A.B. 1928, The George Washington University	
SAMUEL BOGORAD	District of Columbia
GEORGE FRANKLIN BRANDT, JR.	Tennessee
REED E. CALLISTER	California
JOHN QUAYLE CANNON, JR.	Utah
STEPHEN JAY CAREY	New Jersey
A.B. 1927, The George Washington University	
ARTURO Y. CASANOVA, JR.	District of Columbia
B.S. in C.E. 1922, Carnegie Institute of Technology	
ROLLIN MARLMESTON CLARK	District of Columbia
B.S. in M.E. 1920, University of Pennsylvania	
ALLEN COE	District of Columbia
A.B. 1927, The George Washington University	
MARY ESTHER CROGGON	District of Columbia
WILLIAM G. CULLEN	New Mexico
A.B. 1916, University of Oklahoma	
DEAN DINWOODEY	Idaho
A.B. 1922, University of Utah	
KENNETH DONALDSON	District of Columbia
C.E. 1924, Lehigh University	
LUCILE DONOVAN	Indiana
JAMES HENRY DOYLE	New York
Graduate, U. S. Naval Academy, 1919	
(With Distinction)	
HENRY HAROLD ELLIOTT	District of Columbia
B.S. in Economics 1920, University of Pennsylvania	
SAMUEL EVERETT ENRIKEN	District of Columbia
MORTON GEORGE GOLDBERG	District of Columbia
HARRY SAMUEL GOLDSTEIN	District of Columbia
A.B. 1926, The George Washington University	
MORRIS GOLUB	New York
GUY HOWARD GOODMAN	Maryland
Ph.B. 1911, Yale University	
ELMER JOSEPH GORN	District of Columbia
B.S. 1925, Yale University	
ROBERT VANRENSELAER HAIG	District of Columbia
B.S. 1921, University of Maryland	
HARRY DUREMUS HILL	District of Columbia
RALPH HOSKINS HUDSON	District of Columbia
Graduate, U. S. Naval Academy, 1922	
(With Distinction)	
SIDNEY JAMES	New York
B.S. 1924, City College of New York	
(With Distinction)	
FRED THOMAS JARRETT	Pennsylvania
A.B. 1926, University of Michigan	
LADOW JOHNSTON	Ohio
A.B. 1925, University of Kansas	
BENJAMIN MORTON KAIL	Pennsylvania
CHARLES VAILL LAUGHLIN	Iowa
(With Distinction)	
THOMAS LINWOOD LAWRENCE	District of Columbia
G. EDWARD LEASURE	District of Columbia
B.S. in C.E. 1921, Catholic University of America	
NATHAN LEVIN	New Jersey
M.E. 1925, Lehigh University	
JOHN WILLIS LOVETT	District of Columbia
ROBERT DONLAN LYONS	District of Columbia
A.B. 1921, University of Wisconsin	
JACOB ARZO MANIAN	Massachusetts
B.S. 1924, Massachusetts Institute of Technology	
CHARLES FRANKLIN MARTIN	District of Columbia
B.S. 1910, College of Charleston	

IRVIN RICHARD McCLELLAN	Indiana
A.B. 1927, The George Washington University	
JOHN LIVINGSTON McCREA	Michigan
Graduate, U. S. Naval Academy, 1915	
JOHN OAKLEY McKNIGHT	New York
A.B. 1926, Yale University	
LAWRENCE RECORDS MICHENER	District of Columbia
JOSEPH D. MILENKY	Connecticut
A.B. 1927, The George Washington University	
JOHN DAMIAN MURPHY	Kansas
WILLIAM IRA MUSHAKE	District of Columbia
B.S. in C.E. 1923, The George Washington University	
PRESTON MATT NEILSON	Utah
B.S. 1925, Utah Agricultural College	
(With Distinction)	
LUIS PADILLA NERVO	Mexico
Bachillerato, Universidad Nacional de Mexico	
ARNOLD HARRY NEVIASER	District of Columbia
A.B. 1928, The George Washington University	
GEORGE WADDELL NEVILLE	Mississippi
A.B. 1923, University of the South	
NORMAN DOUGLAS PARKER, JR.	District of Columbia
E.E. 1925, Lehigh University	
CLIFFORD THOMAS PAY	South Dakota
RALPH GILBERT PENNOYER	District of Columbia
Graduate, U. S. Naval Academy, 1914	
MARIAN BROOKS PHELPS	Ohio
A.B. 1923, Oberlin College	
(With Distinction)	
ALLAN RUDOLPH PLUMLEY	Vermont
B.S. in Chem. 1923, Norwich University	
CLARENCE HENRY PORTER	District of Columbia
M.E. 1925, Lehigh University	
COOPER BURNETT RHODES	District of Columbia
A.B. 1925, Dartmouth College	
THEODORE SAKS	District of Columbia
HERMAN JAY SHUEY	Pennsylvania
A.B. 1917, Dickinson College	
SEPTIMUS BONHAM SIGHTLER, JR.	Maryland
A.B. 1926, Virginia Military Institute	
GEORGE H. STRICKLAND	District of Columbia
GILBERT PLYMPTON TARLETON	New York
EDGAR KIRBY THOMPSON	South Carolina
A.B. 1925, The Citadel	
FRANCIS JOSEPH TOWLES	South Carolina
RICHARD LARKEY UNDERWOOD	District of Columbia
WESTON VERNON, JR.	Utah
B.S. 1925, Utah Agricultural College	
CHARLES LEWIS WALKER	District of Columbia
CHARLES ALLEN WARD	Tennessee
B.S. in C.E. 1912, University of Tennessee	
WILLIAM HENDERSON WATTS	Georgia
Ph.B. 1926, Emory University	
KNUT MAGNUS WEFALD	Minnesota
A.B. 1923, St. Olaf College	
GEORGE EUSTACE WEGLE	Indiana
HERMON JOSEPH WELLS	District of Columbia
A.B. 1916, University of Utah	
CHARLES HILTON WHITING	South Dakota
IRVING BERNARD YOCHELSON	District of Columbia
(With Distinction)	
WALTER H. ZEYDEL	District of Columbia
B.C.S. 1918, New York University	
October 9, 1929	
WILBUR NORMAN BAUGHMAN	Florida
B.S. 1926, University of Pennsylvania	
VANCE BRAND	Ohio
HAROLD STEPHEN BLACKMAN	Missouri
A.B. 1922, Missouri State Teachers College	
HENRY EUGENE BRYAN	Ohio
ANDRE VICTOR CHERBONNIER	Maryland
Graduate, 1921, U. S. Naval Academy	

PHILIP JAMES COCHRAN	West Virginia
A.B. 1922, West Virginia University	
MAURICE AUGUSTUS CREWS	District of Columbia
A.B. 1926, The George Washington University	
CLARENCE CLARKE DAVISON	New Jersey
MARK FIDAL ESCH	Wisconsin
A.B. 1926, Hamilton College	
EDWIN RALPH GROTON	Maryland
A.B. 1925, Western Maryland College	
SHERMAN RUSSELL HILL	South Dakota
LAWRENCE A. KNAPP	South Dakota
A.B. 1925, Yankton College	
(With Distinction)	
CHARLES THEODORE LOPEMAN	Ohio
HOMER L. MCCORMICK	Oklahoma
ALFONSO EVERETTE MACINTYRE	North Carolina
PHILIP ALLEN MINNIS	Indiana
B.S. in M.E. 1925, Rose Polytechnic Institute	
EDWARD BENJAMIN PERRY	Wisconsin
CARROLL MORRIS REDFORD	Kentucky
LOUIS ROBERTSON	Maryland
GWYNN SANDERS	Ohio
RUPERT ALSTON SINSEL	West Virginia
EDGAR THOMPSON	South Carolina
B.S. 1891, Drury College	
M.S. 1895, Drury College	
A.M. 1897, Drury College	
M.D. 1893, St. Louis University	
JOHN GEOFFREY WILL	New York
IMOGEN WILLIFORD	Mississippi

February 22, 1930

CHARLES WADE BARRICK	Illinois
FAY LOUISE BENTLEY	Illinois
Ph.B. 1918, University of Chicago	
ERNEST DENNING CAVENAUH	North Carolina
A.B. 1921, Duke University	
A.M. 1926, The George Washington University	
LEROY A. CROFTS	Wyoming
EARL CLINTON CROUTER	Wyoming
A.B. 1928, The George Washington University	
HAROLD OSBORNE FARMER	Illinois
RAYMOND MANDELL GROSSMAN	Illinois
ROGERS EDWARD HARRELL	District of Columbia
A.B. 1929, Wofford College	District of Columbia
LOUIS OGLE HODGES, JR.	Virginia
LENA ROSE HYATT	
EDWARD CLAUDE JOHNSON	Indiana
A.B. 1923, William and Mary College	
HOWARD ALLEN KING	Missouri
A.B. 1927, Indiana University	District of Columbia
HAROLD MATTHEWS LAFONT	Massachusetts
SAMUEL LEVINE	Mississippi
CHARLES EDWARD MAHONEY	
OTHO LARKIN ROGERS	North Carolina
A.B. 1927, The George Washington University	
EDWIN BRENTON SHAW	Oklahoma
A.B. 1926, University of North Carolina	Oklahoma
RAYMOND CADE SURAN	
ALLEN MUNSON TONKIN	Illinois
A.B. 1926, University of Oklahoma	New Mexico
WILLIAM JAMES WADE	Colorado
JOSEPH G. WHITEHOUSE	
THOMAS GEORGE WILLIS	
A.B. 1925, Colorado College	

MASTER OF LAWS

June 12, 1929

HOWARD DODDS HARRIS	Ohio
LL.B. 1926, The George Washington University	
CHARLES BRIDGHAM HOSMER	District of Columbia
LL.B. 1911, University of Maine	

JAMES ROBERT KIRKLAND	Delaware
A.B. 1927, The George Washington University	
LL.B. 1928, The George Washington University	
ARDIS ADELA SMITH	Iowa
A.B. 1923, The George Washington University	
LL.B. 1927, The George Washington University	
JOHN PRESTON SWECKER	District of Columbia
LL.B. 1928, The George Washington University	
October 9, 1929	
VICTOR SYLVESTER MERESCH	District of Columbia
LL.B. 1923, Georgetown University	
A.B. 1925, The George Washington University	
February 22, 1930	
GEORGE RUSSELL CARLSON	District of Columbia
LL.B. 1924, DePaul University	
AARON LOUIS SHALOWITZ	District of Columbia
LL.B. 1926, Georgetown University	

THE SCHOOL OF ENGINEERING BACHELOR OF SCIENCE IN CHEMISTRY

ELIZABETH M. HEWSTON	June 12, 1929	District of Columbia
(With Distinction)		

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

DANIEL ARNOLD	June 12, 1929	District of Columbia
WILLIAM GODMAN BENDEL		District of Columbia
WILLIAM ELLSWORTH EVANS, JR.		District of Columbia
HEX PHILLIP MULLIGAN		District of Columbia
JOSEPH BAKER SPENCER		District of Columbia
WILLIAM GILBERT WILES		District of Columbia

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

CLAUDE VENROY BRYANS	June 12, 1929	Colorado
WENTWORTH BEGGS CLAPHAM		New York
(With Distinction)		
ROGER CALVIN JOHNSON		Missour
(With Distinction)		
RAY DONALD KINNEY		District of Columbia
ROY LEE ORNDORFF		District of Columbia
HARRY N. SCHOFER		District of Columbia
(With Distinction)		

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

MALCOLM FINLEY BAILEY	June 12, 1929	Maryland
WILLIAM EMBREY CURTIS		Virginia
JOHN EVERETT HENDRICKS		District of Columbia
PAUL HOLDER HERNDON, JR.		Florida
CHARLES MATHIAS MORRIS, JR.		District of Columbia
KENNETH EUGENE MULFORD		Maryland
HERBERT FREDERICK NIEMEYER		District of Columbia
JAMES A. ST. OMER ROY		Nevada
(With Distinction)		
HUGH S. WERTZ		District of Columbia
(With Distinction)		
FRANK M. WILSON		New Jersey

October 9, 1929

LEWIS E. KEIL.....District of Columbia
(With Distinction)

February 22, 1930

AMES HALIDAY BARNARD.....District of Columbia

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

June 12, 1929

CLARENCE SMOOT BRUCE.....District of Columbia
ROBERT G. W. HARDER.....District of Columbia
CHARLES ROBERT SECKINGER.....District of Columbia
RALPH HAMPTON THRASHER.....District of Columbia

October 9, 1929

JAMES FULTON FOX.....Delaware
ROGER THOMAS FURR.....District of Columbia

ELECTRICAL ENGINEER

June 12, 1929

NORMAN BRUCE AMES.....Virginia
B.S. in E.E. 1915, Mississippi Agricultural and Mechanical College
B.S. in E.E. 1917, The George Washington University
S.B. in E.E. 1917, Massachusetts Institute of Technology, and Harvard University
LL.B. 1925, The George Washington University

THE SCHOOL OF EDUCATION

BACHELOR OF ARTS AND BACHELOR'S DIPLOMA IN EDUCATION

June 12, 1929

MAXINE ROGENE ALVERSON.....District of Columbia
HELEN LOUISE BARRY.....District of Columbia
CAROLYN BLANKS.....Tennessee
JANET STOREY BROADBENT.....Maryland
HESTER BROOKS.....District of Columbia
VETA MAE BURRELL.....Maryland
FLORENCE NEWELL CORNELL.....District of Columbia
(With Distinction)
DOROTHY REESE CRAIGHILL.....North Carolina
MARY BELL CURRAN.....District of Columbia
KATHERINE SUZANNE DAY.....District of Columbia
ELIZABETH BELLE DREWRY.....District of Columbia
(With Distinction)
ELLEN RUFFIN FEATHERSTON.....District of Columbia
FRANCES RUTH FINNIE.....New York
FLORENCE EDITH GRANT.....District of Columbia
MILDRED GREEN.....Indiana
RUTH GREENWOOD.....Georgia
MARION IRVINE GROOVER.....Virginia
GRACE WILHELMINA HAMMOND.....District of Columbia
KATHERINE GRAHAM HAWLEY.....Tennessee
RUTH HOLDEN.....Virginia
JOSEPHINE THEO HOWARD.....Georgia
MARY ESTELLE HUGHES.....Maryland
GEORGE RUSSELL HULL.....District of Columbia
MARGARET EAGELMAN KNAPP.....Maryland
JEAN MACFARLAND LOAR.....Ohio
(With Distinction)
CLARA BELLE MANGUM.....

HELEN BURD MASSON.....	District of Columbia
ELEANOR PATRICIA McAULIFFE.....	District of Columbia
MILDRED MONROE.....	Virginia
MARGARET MOORE.....	District of Columbia
ADA LEAH MOYER.....	Ohio
ARLINE FRANCENA PALMER.....	Maine
BERTHA PARVIS.....	Indiana
ELIZABETH MARGARET RAMEY.....	Virginia
LENNIE ROBERTA SANDERSON.....	District of Columbia
(With Distinction)	
DOROTHY MILLICENT SMITH.....	District of Columbia
GLADYS GARRAWAY SMITH.....	District of Columbia
ROSE MARIE SMITH.....	District of Columbia
MARGARET H. STREETT.....	District of Columbia
THURZA ELIZABETH SUTER.....	District of Columbia
HELEN G. WELCH.....	District of Columbia
MARY ANNE WESCOTT.....	Massachusetts
ELISE PAULINE WILDMAN.....	Virginia
(With Distinction)	District of Columbia
CHRISTINE MARGARET WILLIAMS.....	District of Columbia

BACHELOR OF ARTS IN EDUCATION

CELIA ARNOLD.....	October 9, 1929	
WANDA PRATT BUCK.....		District of Columbia
FREEDA LUCILLE HARRIS.....		District of Columbia
BERNADINE JANNEY HAYCOCK.....		District of Columbia
MARY MAE HOWARD.....		District of Columbia
ANNE CLAIRE KEATING.....		Tennessee
VERA REBEKAH PARKER.....		Ohio
WILLIA MAY PATNE.....		Maryland
MARGARET M. SHORT.....		Virginia
BLANCHE BOWDEN WILCOX.....		District of Columbia
		District of Columbia
WILLIAM BRADFORD.....	February 22, 1930	
HELEN LEHEW BRINK.....		Virginia
JESSIE COOPER.....		District of Columbia
MILDRED ST. MARTIN PERCY.....		District of Columbia
(With Distinction)		District of Columbia
REBECCA ROSENBLUM.....		District of Columbia
(With Distinction)		District of Columbia

MASTER OF ARTS IN EDUCATION

EDGAR MERITT DOUGLASS.....	June 12, 1929	
A.B. 1921, Wofford College.....		District of Columbia
MARY LOUISE OMWAKE.....		District of Columbia
A.B. 1923, The George Washington University.....		District of Columbia
HAZEL NAOMI THOMPSON.....		Missouri
B.S. 1925, Drexel Institute.....		
PAULINE LOHMANN.....	October 9, 1929	
A.B. 1923, The George Washington University.....		District of Columbia
LEE EYSTER GILBERT.....	February 22, 1930	
A.B. in Education, 1922, The George Washington University.....		Maryland
CHESTER H. KATENKAMP.....		Maryland
B.S. 1926, Johns Hopkins University.....		Indiana
LYNN FRANK WOODWORTH.....		
A.B. 1923, Indiana University.....		

DOCTOR OF PHILOSOPHY

JAMES FREDERICK ABEL.....	February 22, 1930	
A.B. 1901, University of Nevada.....		District of Columbia
A.M. 1918, Leland Stanford Junior University.....		
Thesis: National Ministries of Education.....		

SCHOOL OF PHARMACY

GRADUATE IN PHARMACY

June 12, 1929

BENJAMIN B. BASS.....

District of Columbia

HOWARD JEROME MAY.....

Pennsylvania

MANUEL I. SMALLWOOD.....

District of Columbia

JOSEPH MARION SNEGOSKI.....

District of Columbia

October 9, 1929

GEORGE LINDSAY BALL.....

Maryland

DIVISION OF LIBRARY SCIENCE

BACHELOR OF ARTS IN LIBRARY SCIENCE

June 12, 1929

BESSIE MCINTYRE.....

Florida

ALVERN SUTHERLAND WEBBINK.....

District of Columbia

VIRGINIA RUTH WISE.....

District of Columbia

(With Distinction)

JEAN VIRGINIA YOUNG.....

District of Columbia

February 22, 1930

HARRIET LOUISE SANGER.....

District of Columbia

(With Distinction)

DIVISION OF FINE ARTS

BACHELOR OF ARCHITECTURE

June 12, 1929

ROBERT DUDDEBAR BARNES.....

District of Columbia

AVRIL STEWART.....

Maryland

BACHELOR OF ARTS

June 12, 1929

JULIA DIBBLEE EGERTON ECKEL.....

District of Columbia

HONORARY DEGREES

October 9, 1929

DOCTOR OF LAWS

JAMES RAMSAY MACDONALD

December 28, 1929

DOCTOR OF LAWS

PASCUAL ORTIZ RUBIO

February 22, 1930

DOCTOR OF LAWS

HARRISON HOWELL DODGE

DOCTOR OF SCIENCE IN EDUCATION

LOTUS DELTA COFFMAN

HOLDERS OF SCHOLARSHIPS

1929-1930

- The Byron Andrews Scholarships:* Naomi Crumley, Mary Elizabeth Ford, Louise James.
- The Maria M. Carter Scholarship:* Margaret Seay Payne.
- The Citizens' Military Training Camp Scholarship:* Edward Fox Butler.
- The Columbian Women Scholarships:* Virginia Barrett, Margaret Cooper, Nanette Dembitz, Jean Kelly, Martha Osborne, Evelyn Schutz.
- The Davis Scholarship:* George William Reeves.
- The Farnham Scholarship:* Martha Buchanan.
- The Elma Lewis Harvey Scholarship:* Beatrice R. Miller.
- The High School Scholarships:*
- Alexandria High School:* Samuel Posner.
- Business High School:* Stanley Segal.
- Central High School:* (Kendall Scholarship) Beatrice Tabinsky.
- Eastern High School:* Helen Swick.
- McKinley Technical High School:* Arthur Storey.
- Western High School:* Grace Hall.
- The Henry E. Kalusowski Memorial Scholarship:* Robert Kasson.
- The John Hitz Metzerott Scholarship:* George K. Campbell.
- The Spencer Scholarship:* Frank Whitehouse.
- The Walker Scholarship:* Cyrus Johnson.
- The Withington Scholarship:* Barton Winters Richwine.
- The Woodhull Scholarship:* Helen Grace Babp, Hugh Kemp Clark.

PRIZE AWARDS

1929

- Alpha Chi Sigma Freshman Prize in Chemistry*—Malcolm Taylor.
- Alpha Chi Sigma Senior Medal in Chemistry*—Elizabeth Hewston.
- Alpha Delta Pi Prize in French*—Judith G. Wood.
- Alpha Delta Theta Prize in Chemistry*—Grace L. Krafft.
- Chi Omega Prize in Social Sciences*—Elizabeth Drewry.
- Colonial Dames Prize in American History*—Sherman E. Johnson.
- E. K. Cutter Prize in English*—Alice A. Graham.
- Daughters of the American Revolution Prize in American History*—Elizabeth B. Drewry.

*Davis Prize Awards in Public Speaking:**First:* Harryman Dorsey.*Second:* Charles T. Shaner.*Third:* Paul H. Keough.*Delta Tau Delta Student Activities Medal*—Robert Harmon.*Delta Zeta Prize in Botany*—Janice Burroughs.*Dietzgen Prize in Architecture*—Archie P. Burgess.*Dietzgen Prizes in Machine Drawing*—William O. Lewis, Elmer James Baxter.*Ellsworth Prize in Patent Law*—Arturo Y. Casanova.*Gamma Beta Pi Prize in Botany*—Malcolm Taylor.*Goddard Medal and Prize in Commerce*—R. Campbell Starr.*Goddard Medal in French*—Louise Du Bose.*Goddard Medal in Pharmacy*—Howard J. May.*Samuel Herrick Prize in Law*—Marian B. Phelps.*Gardner G. Hubbard Prize in American History*—Mildred Green.*Kappa Delta Scholarship Cup*—Martha Loman.*John B. Larner Gold Medal in Law*—Charles V. Laughlin.*Livingston Prize in Machine Design*—Earl William Hunter.*Genevieve Chatterton McCutchins Prizes in Archaeology:**First:* Eleanor Folsom.*Second:* Mary Hamilton Brinkley.*Prize in Military Science*—George Henry McLain.*Muth Prize in Mechanical Drawing*—Jacobo A. Varela.*Ordroneaux Prize in Law*—Francis Kirkham.*Ordroneaux Prize in Medicine*—Vincent C. Gould.*Osler Prize in Medicine*—Vincent C. Gould.*Phi Delta Sorority Prize in Zoology*—Sara Abeles.*Pi Beta Phi Student Activities Prize*—Julia Denning.*Sigma Kappa Prize in Chemistry*—Malcolm Taylor.*Sigma Kappa Prize in English Rhetoric*—Edith R. Donovan.*James MacBride Sterrett, Jr., Prize in Physics*—Hugh K. Clark.*Thomas F. Walsh Prize in History*—Margaret H. Streett.*Alexander Wilbourne Weddell Peace Prize*—Nasim M. Soosa.*Lewes D. and Myrtie H. Wilson Prize in Obstetrics*—Alice Heyl Kiessling.

STUDENT ASSISTANTS

Botany: EDGAR LAWRENCE EVINGER, HELEN CROCKETT NICHOLS, NEIL EVERETT STEVENS, HELEN GARRISON WHEELER, CHARLOTTE SARA YOCHELSON.

Chemistry: RICHARDSON DALE BEARD, JOHN BEEK, JR., STEPHEN BRUNAUER, JOHN OLIVER BURTON, HUGH KEMP CLARK, VIRGINIA HEFTY, HAROLD LEON JENKINS, JOSEPH FRANCIS KLEKOTKA, JEAN MCGREGOR, DANIEL READY, IRL CORBY SCHOOLOVER, CATHERINE LOUISE SHAW, MONICA CATHERINE SNYDER, JUDITH LEROY STEELE, ROLLIN ELBERT STEVENS, ARTHUR WILLIAM VAN HEUCHEROTH, ROBERT LOUIS WEINTRAUB.

Economics: PAUL DEWITT DICKENS, RICHARD FRANKLIN JOHNSON, KARL JONES MOSER.

English: LOUISE WILTON COCKE, CHARLES WILLIAM COLE, EILEEN GARDNER GALER, ALICE GRAHAM, ROBERT STERLING LEONARD, PAULICE LONG, LUCILLE MCCAIN, MILDRED MOORE, FELIX SCHWARZ, MAY WEDGWORTH.

Geology: WILFRED ALVIN BETIKOFER.

History: HERBERT EDMUND ANGEL, MAUDE HUDSON, ROLAND LYON, MARGARET MONK.

Mechanical Engineering: WILLIAM O. LEWIS, LOUIS LEON LUDLOW, JR.

Physics: JAMES MEIGS BREARLEY, THOMAS MOORE BROWN, SAMUEL GRIDLEY HALL, GRACE YOUNG.

Physical Education for Women: CLARA BOGORAD, BETTY CLARKE, JULIA DENNING, MARY SPROUL, JENNIE TURNBULL.

Political Science: CHARLES FRANK BARWICK, JAMES LOUIS MARTIN, HOWARD S. PAYNE.

STUDENTS REGISTERED

1929-1930

Names of students who have graduated are indicated by stars (*); those who have entered since January, 1930, by daggers (†); those who have withdrawn, by (‡). Letters in parentheses indicate the course for which the student is registered.

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

SENIORS

†Adams, William Ware (Gen.)	D. C.	†Fleck, James Hering (Pre-Legal)	D. C.
*Alex, Victor (Gen.)	D. C.	†Fox, Abraham L. (Gen.)	N. Y.
Angel, Herbert Edmund (Gen.)	D. C.	*Frank, Abner (Gen.)	D. C.
*Arrowsmith, Jean M. (Gen.)	Pa.	*Freidson, Isadore (Com.)	Conn.
Babp, Helen Grace (Gen.)	D. C.	Friedman, Maurice (Gen.)	D. C.
*Ball, Alice Morton (Gen.)	D. C.	Fritz, Florence R. (Gen.)	D. C.
*Bannerman, Catherine (Gen.)	Va.	Furer, Helen Catlin (Gen.)	D. C.
*Barsky, Frieda Ann (Gen.)	D. C.	Gerber, Aaron H. (Gen.)	Ohio
Bawell, Ruth A. (Gen.)	D. C.	Goldberg, William D. (Gen.)	La.
Beach, Arthur Eugene (Com.)	D. C.	Goodin, Helen B. (Gen.)	Mass.
*Bell, Phillip F. (Gen.)	Colo.	Gorham, Warren Abbott (Gen.)	D. C.
Bellafiore, Vincent J. (Gen.)	N. Y.	Graves, Warren Edwin (Com.)	Miss.
Benjamin, Samuel (Pre-Med.)	D. C.	Gray, Dorothy (Gen.)	N. J.
Bentley, Thomas B. (Gen.)	Pa.	Green, Stella M. (Gen.)	D. C.
*Benzing, Norman L. (Com.)	Md.	†Grey, William W. (Pre-Legal)	N. Y.
†Berman, Solomon M. (Gen.)	Pa.	Griswold, Nancy (Gen.)	N. Y.
*Bitman, Samuel (Gen.)	D. C.	Gromet, Maurice T. (Pre-Med.)	N. C.
Bogorad, Clara (Gen.)	D. C.	Guinn, Harry M. (Gen.)	D. C.
†Boykin, Katherine L. (Gen.)	D. C.	†Hammer, Meyer (Gen.)	D. C.
†Bradford, Florence M. (Gen.)	Md.	Hammer, Willard Lee (Gen.)	D. C.
†Bradford, William W. (Gen.)	D. C.	Hance, Emma Osborn (Gen.)	D. C.
†Brown, Ernestine (Gen.)	Miss.	Harlan, Ashlan F. (Gen.)	D. C.
Brown, Josephine P. (Gen.)	D. C.	Harrington, Florence (Gen.)	Me.
Brown, Oneda M. (Gen.)	D. C.	*Heid, Frances E. (Gen.)	Iowa
Burbank, Virginia K. (Gen.)	Md.	Hill, Neva Grace (Gen.)	Ten.
Burns, Eveline D. (Gen.)	D. C.	Hobbs, Caroline (Gen.)	D. C.
*Byer, Maurice Yale (Gen.)	N. J.	Hoffman, Roy Charles (Gen.)	D. C.
Campbell, Jean (Gen.)	D. C.	Holmes, Franklin A. (Gen.)	Kan.
*Carmack, Forrest M. (Gen.)	Mo.	Hooff, Laura Clark (Gen.)	D. C.
Cheyney, Harold E. (Gen.)	Ill.	*Houck, Catherine Magill (Gen.)	D. C.
Chindblom, Ruth C. (Gen.)	D. C.	†Huckstead, Erma Jean (Gen.)	S. Dak.
Clark, Helen L. (Gen.)	D. C.	Imus, Alden E. (Pre-Legal)	Md.
Clarke, Inda Payne (Gen.)	D. C.	Jaquette, Charles G. (Com.)	Okla.
Cobb, Margaret Bryant (Gen.)	Ala.	Jefferson, Merrill E. (Gen.)	Md.
Coblentz, Catherine C. (Gen.)	D. C.	Jenkins, Harold Leon (Gen.)	Va.
Cocke, Louise Wilton (Gen.)	D. C.	Jessup, Daniel Arthur (Gen.)	D. C.
*Conn, Leon Jack (Gen.)	Va.	Johnson, Richard F. (Gen.)	Iowa
Connaughton, Harry (Pre-Legal)	D. C.	Johnston, Albert (Gen.)	D. C.
Conway, Katherine T. (Gen.)	D. C.	Jones, Frances B. (Gen.)	Pa.
Cooper, Sybil Leona (Com.)	N. C.	Jones, J. Wesley (Gen.)	D. C.
Crumley, H. Naomi (Gen.)	D. C.	Jones, Wesley W. (Gen.)	Pa.
Cunningham, Loretta H. (Gen.)	Va.	Kaufman, Wilbur R. (Gen.)	D. C.
Diamond, Spencer (Gen.)	N. Y.	Kennedy, Mary H. (Gen.)	D. C.
Duncan, Louise L. (Gen.)	Miss.	Kieferle, George R. (Gen.)	D. C.
Duvall, Lindsay O. (Gen.)	D. C.	King, Llewellyn H. (Gen.)	D. C.
Earle, Robert L. (Com.)	Wis.	King, Aaron Harry (Pre-Med.)	D. C.
†Eddy Grace Marie (Gen.)	D. C.	Kleiman, Aaron (Gen.)	N. Y.
Edwards, Edith Viola (Gen.)	Ohio	Knauff, Pauline (Gen.)	D. C.
*Eiker, Georgia (Gen.)	D. C.	Knot, William L. (Gen.)	Md.
†Eisenberg, Samuel (Gen.)	D. C.	*Koch, Meyer (Gen.)	Mo.
Eich, Evelyn M. (Gen.)	D. C.	Kranauer, Reginald J. (Gen.)	Iowa
Ferguson, Margaret M. (Gen.)	D. C.	Kyle, Claudia (Gen.)	Ill.
Fix, Robert Earl (Gen.)	D. C.	†LaFont, Harold M. (Pre-Legal)	D. C.
		Laughlin, Charles V. (Pre-Legal)	
		Lehman, Alicia Marie (Gen.)	
		Leonard, Robert S. (Gen.)	

Linch, Mark N. (Gen.)	Pa.	Ruth, Dorothy M. (Gen.)	D. C.
Lipewaver, Hans (Gen.)	W. Va.	Schneider, Margaret H. (Gen.)	D. C.
*McCarthy, Thomas A. (Gen.)	Mont.	Schubert, Cora Lee (Gen.)	D. C.
McCarthy, Oneta (Gen.)	Wash.	Sebrell, William (Pre-Med.)	D. C.
McGaughey, Elizabeth (Gen.)	D. C.	Sharswood, Florence (Gen.)	D. C.
McGraw, Myrtila H. (Gen.)	Md.	Shaw, Thomas S. (Gen.)	Idaho
†McGuire, Frank (Pre-Legal)	Calif.	†Shipman, Elizabeth (Gen.)	N. Y.
McLaughlin, Damian J. (Gen.)	Pa.	Shull, Virginia Moore (Gen.)	Md.
McLean, Grace May (Gen.)	D. C.	Shure, Fred M. (Gen.)	D. C.
McNeely, John H. (Gen.)	D. C.	Sickler, Donald R. (Gen.)	D. C.
Manning, Ellis Wooster (Pre-Legal)	Okla.	Sime, A. Jean (Gen.)	D. C.
Manning, Lucy Ruins (Pre-Legal)	Okla.	*Smith, Helen Virginia (Gen.)	D. C.
†Mapes, Robert W. (Gen.)	Mich.	Smith, James Wilson (Com.)	Md.
*Martinez, Jose B. (Gen.)	D. C.	Snyder, Monica C. (Gen.)	D. C.
Mason Jacob Herman (Gen.)	N. Y.	Somerville, Aubrey N. (Gen.)	D. C.
Mathis, Mary (Gen.)	Ga.	Sorrell, Joseph Ellis (Gen.)	D. C.
Matthews, Lucille L. (Gen.)	D. C.	Sowers, Ella Lee (Gen.)	Va.
Maybee, Harold Vicory (Gen.)	D. C.	*Speight, Margaret (Gen.)	N. C.
Meyer, Marguerite S. (Gen.)	Iowa	*Spitzer, C. Lucile (Gen.)	D. C.
†Meyers, Joseph H. (Gen.)	Md.	Steele, Judith Leroy (Gen.)	D. C.
Mikie, Elizabeth W. (Gen.)	D. C.	Steele, Martha Lula (Gen.)	Ga.
Mikie, Mary Helen (Gen.)	D. C.	Stehman, J. Harold (Com.)	Va.
Miller, Barbara Ann (Gen.)	D. C.	Stevens, Welby Reed (Gen.)	D. C.
Miller, Elizabeth R. (Gen.)	D. C.	Stevenson, Ezra R. (Com.)	D. C.
Mitchell, Virginia (Gen.)	Md.	Stewart, Marion (Gen.)	D. C.
†Monogham, Joseph C. (Gen.)	Pa.	Storck, Virginia J. (Gen.)	Va.
Moore, S. Martha (Gen.)	D. C.	†Stout, Agnes J. (Gen.)	D. C.
Moore, Helen (Gen.)	D. C.	Sullivan, Marie E. (Gen.)	N. Y.
Munaw, George T. (Com.)	Va.	*Taylor, E. Gwendolin (Gen.)	Kans.
*Murphy, Louise (Gen.)	N. Y.	Theis, Ethel Jane (Gen.)	D. C.
Nash, Marguerite B. (Gen.)	D. C.	*Thompson, William D. (Gen.)	Md.
Naylor, Mary Bodine (Gen.)	D. C.	Thomson, Claudia (Gen.)	D. C.
Newman, Magdalene R. (Gen.)	Ohio	Toal, F. Clifton (Gen.)	S. C.
Nichols, Lawrence A. (Com.)	D. C.	Turnbull, Jenny E. (Gen.)	D. C.
Orr, Kathryn May (Com.)	D. C.	Uhlig, Melanie (Com.)	Mass.
Ozenburg, Margaret (Gen.)	D. C.	Vail, Margaret Lee (Gen.)	D. C.
Paynter, Mildred (Gen.)	D. C.	Walde, W. Lowe (Gen.)	D. C.
Peterson, Grace M. (Gen.)	D. C.	Waller, Elizabeth (Gen.)	D. C.
*Peterson, Hazel H. (Gen.)	Calif.	Weaver, Marjory A. (Gen.)	Md.
Philbrick, Mary H. (Gen.)	D. C.	Weckler, Esther Rae (Gen.)	D. C.
Phillips, Dorothy R. (Gen.)	Ga.	Weisser, Edward H. (Gen.)	N. Y.
Plugge, Caroline R. (Gen.)	D. C.	Wells, Milton K. (Com.)	Okla.
Pope, Eva Moore (Gen.)	D. C.	Wenger, Marie R. (Gen.)	Va.
Frotzman, Eugenia H. (Gen.)	D. C.	Wester, Robert Emerson (Gen.)	Va.
Fullen, Dorothy C. (Gen.)	Va.	Wharton, Maude C. (Gen.)	Tex.
Reed, Sarah Wilson (Gen.)	D. C.	Wheeler, Elizabeth B. (Gen.)	D. C.
Reustrom, Lester F. (Gen.)	D. C.	Whipple, Verna A. (Gen.)	Va.
Replege, Thelma A. (Com.)	Idaho	Whitstone, I. Melvin (Gen.)	Va.
Rhoades, Flora M. (Gen.)	D. C.	Williams, Irene (Gen.)	D. C.
Rice, Julius Herbert (Gen.)	D. C.	Wills, Margaret L. (Gen.)	Tenn.
Riscassi, Leo J. (Gen.)	Pa.	Wingo, James G. (Gen.)	D. C.
Robinson, Virginia E. (Gen.)	Conn.	Woody, Zora Ellinor (Gen.)	N. C.
Robinson, Gretchen L. (Gen.)	D. C.	Yanagida, Hikoji (Gen.)	Japan
Roth, George M. (Gen.)	D. C.	†Zeigler, Ruth Wanda (Gen.)	Kans.

JUNIORS

†Acree, Fred (Gen.)	Tex.	†Beavers, Gertrude Williams (Gen.)	D. C.
Adlof, Richard E., Jr. (Gen.)	Tex.	†Bercaw, Louise Oldman (Gen.)	D. C.
Albert, Dorothy Ruth (Gen.)	D. C.	Bethune, C. Jean (Gen.)	Va.
Alpert, Flora (Gen.)	D. C.	Bierman, Roberta Anne (Gen.)	Minn.
Andrus, C. Fredric (Gen.)	D. C.	Birdseye, Charles Whitney (Gen.)	D. C.
Apter, Harry (Pre-Leg.)	Ill.	Blake, Ennis Clare (Gen.)	Idaho
Arbosa, Guillermo (Pre-Med.)	Conn.	Bolski, Stanley Wallace (Com.)	Mass.
Arellano, Arsenio Yanzo (Pre-Leg.)	P. R.	Bogardous, Hester (Gen.)	D. C.
†Atkins, Grace (Gen.)	P. I.	Booth, Betsy Bygate	D. C.
†Aull, Ruth Margaret (Gen.)	N. C.	Brainin, William (Pre-Med.)	Md.
Bailey, Faye Margaret (Gen.)	D. C.	Brinsky, Sigmund Tiboe (Gen.)	D. C.
Bailey, Linwood Kersey (Com.)	Iowa	Brookhart, Florence (Pre-Med.)	Iowa
†Baiz, Theodore C. (Pre-Leg.)	D. C.	†Brosius, Anne Caroline (Gen.)	D. C.
Bannerman, William Harrison (Gen.)	Pa.	Brown, Anita B. (Gen.)	D. C.
Bannerman, Christine (Gen.)	S. C.	†Bruner, Ruth (Gen.)	D. C.
Barrett, Sara Virginia (Gen.)	Va.	†Buckley, James Lawrence (Pre-Leg.)	Conn.

Bugbee, Mary F. (Gen.)	D. C.	Hill, Thomas Samuel (Gen.)	N. C.
Bunten, Elizabeth (Gen.)	D. C.	Hitt, Gertrude Becker (Gen.)	D. C.
Burlingame, Isabel Barber (Gen.)	D. C.	Hoge, Elizabeth Hiden (Gen.)	D. C.
Burnham, Paul F. (Gen.)	D. C.	Holaday, Helen Edith (Gen.)	D. C.
Clarke, Mae Harris (Gen.)	Md.	Howard, Paul Thomas (Gen.)	D. C.
†Clayton, Albert W. (Gen.)	D. C.	Hudson, Mary Elizabeth (Gen.)	D. C.
Cole, Charles W. (Gen.)	Md.	Hudson, Maude Percy (Pre-Leg.)	Kans.
‡Collier, Carmen Constance (Com.)	Va.	Hughea, Carroll Wite (Gen.)	Mass.
Collins, Alberta R. (Gen.)	Pa.	Hull, Raymond Macallister (Gen.)	D. C.
†Connington, Paul (Gen.)	N. J.	Hunter, Edwin H. (Gen.)	D. C.
Corey, Merle Irving (Pre-Med.)	N. Y.	Huntington, William Elderkin (Gen.)	D. C.
Cragun, John W. (Pre-Leg.)	Utah	Irey, Josephine (Gen.)	D. C.
Creeden, Sara A. (Gen.)	D. C.	Iverson, Kenneth R. (Pre-Leg.)	Tex.
Crofts, Paul Herbert (Com.)	Wyo.	†Jackson, C. H. (Pre-Leg.)	D. C.
†Crowell, Ray Cruse (Gen.)	Ill.	Jeffrey, Millard (Gen.)	W. Va.
Cullimore, Leland K. (Pre-Med.)	Utah	Jeffreys, Robert Larew (Gen.)	Md.
Curtiss, Henry Daniel (Pre-Med.)	D. C.	Johnson, Catherine Virginia (Com.)	D. C.
Davis, Robert J. (Com.)	Mo.	Johnson, Cryus (Gen.)	Va.
†Day, Emily L. (Gen.)	N. Y.	Johnson, Fred Francis (Gen.)	N. Y.
Dean, Eloda B. (Gen.)	D. C.	†Jones, Cecil H. (Gen.)	Va.
Dehaas, Mirian M. (Pre-Leg.)	D. C.	Kanof, Naomi Marilyn (Pre-Med.)	Mo.
Dembitz, Lewis N. (Gen.)	N. Y.	Kidwell, Gertrude (Gen.)	Mass.
Dietz, John E. (Pre-Leg.)	D. C.	Kiefner, Kathryn (Gen.)	N. Y.
Dishman, Lyman Haskell (Pre-Leg.)	D. C.	Killarney, Francis M. (Pre-Leg.)	D. C.
Dismar, William Frederick (Gen.)	Tenn.	Kilstein, Richard Isaac (Pre-Med.)	Mo.
Dorset, Virgil J. (Pre-Med.)	D. C.	Kimble, Ralph M. (Gen.)	Pa.
Douglas, Irvin Nathan (Pre-Med.)	D. C.	Klaben, Reuben (Gen.)	Ala.
†Dray, Charles Raymond (Gen.)	D. C.	Kluttz, P. Jerry (Gen.)	D. C.
‡Druzina, Anton (Gen.)	D. C.	Knapp, Ignatius Melchior (Pre-Leg.)	Md.
Dryer, David A. (Com.)	D. C.	Knight, Perle (Gen.)	D. C.
Dunn, Gordon E. (Gen.)	Fla.	†Knowles, John Philip (Gen.)	D. C.
†Edlowitz, Ellis (Pre-Leg.)	D. C.	Knowlton, John Wellington (Gen.)	D. C.
Edwards, Gordon (Com.)	Va.	Kramer, Milton (Pre-Med.)	D. C.
Eidhammer, Carolyn E. (Gen.)	Md.	Kurtz, Herbert George (Gen.)	Md.
Eisenberg, Gerson G. (Gen.)	W. Va.	Kushner, Irene Cecelia (Gen.)	Iowa
†Ervin, Mary Virginia (Gen.)	Iowa	La Quay, Robert R. (Gen.)	D. C.
Evans, Hiram S. (Com.)	D. C.	†Larsen, Lillian C.	D. C.
Faunce, Winifred M. (Gen.)	N. J.	†Latta, James B. (Gen.)	D. C.
Fine, Irvin (Pre-Med.)	D. C.	†Laurence, N. Margaret	P. R.
Fonoroff, David Louis (Gen.)	D. C.	Layton, Frances May (Gen.)	Wyo.
Ford, Mary E. (Gen.)	D. C.	†Leavitt, Jose (Pre-Med.)	D. C.
Fox, Robert (Gen.)	D. C.	†Leckie, Mary Virginia (Gen.)	D. C.
Francis, Harold Edmond (Gen.)	D. C.	†Lemeschewsky, George P. (Pre-Med.)	D. C.
Fraser, Caroline Wilcox (Gen.)	N. Y.	Lepman, Harry (Gen.)	D. C.
Frazier, Melvin (Gen.)	N. Dak.	Lavine, Abraham A. (Pre-Med.)	Kans.
Frazier, Vernon Allen (Pre-Leg.)	N. Dak.	Lewis, Hyman Leon (Gen.)	W. Va.
Freer, Robert E. (Gen.)	Ohio	Lewis, Irene (Gen.)	D. C.
Frishie, Margaret E. (Gen.)	D. C.	Licklida, William Boyd (Pre-Med.)	D. C.
†Gatley, Howard Prescott (Gen.)	Md.	Linde, Bernard Arthur (Pre-Med.)	D. C.
Geiger, Barbara R. (Gen.)	D. C.	Lindsay, Eloise V. (Gen.)	D. C.
Ginsburg, Morris (Pre-Med.)	D. C.	Linger, Irving O. (Gen.)	D. C.
Goldstein, Marcus S. (Gen.)	Pa.	Linton, Frank T., Jr. (Pre-Med.)	D. C.
Gooch, Donald W. (Gen.)	D. C.	Litman, Bessie (Gen.)	N. C.
Goodrich, Viola (Gen.)	D. C.	Loughlin, Beryl Frances (Gen.)	Ind.
Gordon, Bartley Patrick (Com.)	D. C.	Lowe, Louella (Gen.)	La.
†Goss, May T. (Gen.)	D. C.	McClellan, Henry L. (Gen.)	D. C.
Gouipee, Edward John (Com.)	D. C.	McGregor, Malcolm Parker (Com.)	D. C.
Gray, C. Harold (Gen.)	Mo.	McGrew, Irvin (Gen.)	D. C.
†Greenwood, William Barton (Com.)	D. C.	McKay, Alice Josephine (Com.)	Pa.
Griest, Robert Alford (Com.)	D. C.	†McNally, Ruth Densmore (Gen.)	D. C.
Grimminger, George (Gen.)	Mo.	†McNamara, Frances J. (Pre-Leg.)	D. C.
Grindell, Mary Eleanor (Gen.)	D. C.	†McNamara, James F. (Gen.)	Pa.
Harbaugh, Eva Luella (Gen.)	Md.	Madison, James F. (Gen.)	D. C.
Hass, Wilbert Henry (Gen.)	Iowa	Magill, Gertrude Elizabeth (Gen.)	Md.
Heavener, John Haven (Gen.)	D. C.	Mahood, F. Mildred (Gen.)	D. C.
Heins, Conrad (Gen.)	Va.	Mandy, Theodore E. (Pre-Med.)	D. C.
†Helms, Margaret H. (Pre-Leg.)	Calif.	Manning, Rosalee (Gen.)	D. C.
Henderson, Jane (Gen.)	D. C.	Manning, Francesa Phillips (Gen.)	D. C.
Hicks, Katharine I. E. (Gen.)	N. Y.	Martin, William Arthur (Gen.)	D. C.
Higgins, Lucy Dunwoody (Gen.)	D. C.	Mattice, William (Gen.)	Conn.
Hill, Cynthia Caroline (Gen.)	Ky.	†Maukkin, Ruth (Gen.)	D. C.
Hill, Esther (Gen.)	Ohio	May, Mary Frances (Gen.)	D. C.
Hill, Richard A. (Pre-Leg.)	Pa.	Meo, Richard Carl (Pre-Med.)	D. C.
		Mercier, Alfred A. (Gen.)	N. J.
		Merdian, Bertha (Com.)	
		Mermelstein, Milton (Pre-Leg.)	

Messina, Thomas (Pre-Med.)	N. J.	Seay, Thomas Hardie (Com.)	D. C.
†Miller, Bruce Ervin (Pre-Leg.)	Ohio	Seibert, Carolyn Eastman (Gen.)	D. C.
Martin, George Bernard (Pre-Leg.)	Kans.	Shockley, Hattie Vansant (Gen.)	Md.
Miller, Russell (Gen.)	Va.	Shulman, Isidore (Pre-Med.)	D. C.
Minsby, Arthur (Gen.)	N. Y.	Sichi, William T. (Pre-Med.)	D. C.
Mitchell, Margaret Elizabeth (Gen.)	Md.	Simon, Louis (Pre-Leg.)	N. Y.
Mitchell, Peter J. (Gen.)	Iowa	Simonds, Marjorie Louise (Gen.)	D. C.
Monachino, Rose Frances (Pre-Leg.)	Pa.	Slechta, Marie Genevieve (Gen.)	D. C.
Moore, Daisy R. (Gen.)	Kans.	Small, Albert Webster (Gen.)	D. C.
Morris, Corella S. (Gen.)	D. C.	†Smith, Henry James (Gen.)	D. C.
Morris, Rachel M. (Gen.)	N. Y.	†Smith, Janas Milton (Com.)	D. C.
Moudy, Elinor D. (Gen.)	D. C.	Snyder, Carolyn Hannah (Pre-Med.)	D. C.
Mullins, Irma Krueger (Gen.)	D. C.	†Snyder, George H. Schafer (Gen.)	D. C.
Nead, John Elmer (Com.)	Iowa	Sobotka, Clement John, Jr. (Gen.)	Md.
Neil, Allen Eldridge (Gen.)	S. Dak.	Spratt, Louise (Gen.)	Ala.
Nichnoff, Isidore (Gen.)	N. Y.	†Stalcup, Harry (B.S. in Chem.)	Okla.
Nichols, Helen B. (Gen.)	Wisc.	Staubly, Ralph Franklin (Pre-Med.)	D. C.
Nordby, Aagot F. (Gen.)	Minn.	Steingold, Moses (Com.)	Pa.
†Norguden, Cora A. (Gen.)	Minn.	Stevens, Leslie R. (Pre-Med.)	N. Y.
Norton, Leland Dean (Com.)	D. C.	Stokes, Louise Virginia (Gen.)	D. C.
Ocheret, Irving (Pre-Med.)	N. J.	Strawn, Claudia (Gen.)	Tex.
O'Gus, Walter (Gen.)	D. C.	Sturm, Edna L. (Gen.)	Ind.
O'Hanrahan, Edmond C. (Pre-Leg.)	Minn.	Sullivan, Mary Carmel (Gen.)	D. C.
Orton, Herbert (Gen.)	N. Dak.	Sullivan, Nona Frances (Gen.)	D. C.
Osuna, Clarence F. (Gen.)	Nehr.	†Sun, David Chung-Phong (Gen.)	China
Ozenburg, Gerald Isaac (Pre-Leg.)	N. Mex.	Suter, James Marian (Gen.)	D. C.
Parker, Margaret Hoover (Gen.)	D. C.	Sutton, Sarah Jane (Gen.)	D. C.
Parsons, Robert Leroy (Gen.)	D. C.	†Swope, Bradford (Gen.)	D. C.
†Patterson, Betty Annette (Gen.)	D. C.	†Symons, Maurine L. (Gen.)	Ind.
Pitts, Bessie May (Gen.)	Mass.	Thacker, John William (Gen.)	D. C.
Pohlmann, Robert George (Com.)	D. C.	Thom, Beatrice (Gen.)	D. C.
Pomeroy, Floyd Stanley (Com.)	D. C.	Thomas, Cyrus Douglas (Gen.)	N. Dak.
Pope, Sterling Alter (Com.)	Ill.	Thompson, John Roger (Gen.)	D. C.
Priest, Northa Louise (Gen.)	D. C.	†Tompkins, Francis Meade (Gen.)	D. C.
†Proctor, Mary K. (Gen.)	D. C.	Turner, Julian B. (Gen.)	Va.
Puhak, Andrew (Gen.)	D. C.	Van Deman, Wilma E. (Gen.)	Ind.
Ramago, Elizabeth Hill (Gen.)	Pa.	Wade, Clarice (Gen.)	Fla.
Rambo, Tremaine E. (Com.)	Va.	Walck, Earl Clifford (Pre-Leg.)	D. C.
Rasch, Richard K. (Gen.)	Tex.	Walter, Alpheus Lauck (Com.)	D. C.
Reap, Clement Joseph (Pre-Leg.)	D. C.	Ward, H. Jeffrey (Com.)	D. C.
Reardon, James L. (Gen.)	Pa.	Ward, Kenneth L. (Com.)	D. C.
Reed, Fred C. (Gen.)	Ill.	Ward, Vivian Harner (Gen.)	D. C.
Reed, Mabel C. (Gen.)	D. C.	Wardell, Betty Jane (Gen.)	Wash.
Revilla, Manuel Gonzalez (Gen.)	D. C.	Waterman, Bernice L. (Gen.)	Mich.
Richardson, Howard Barrett (Com.)	Panama	Watson, Quentin D. (Com.)	Mo.
Rigby, Scott G. (Com.)	D. C.	Weigel, William Robert (Pre-Leg.)	D. C.
†Riley, Edwin A. (Gen.)	Iowa	Weintraub, Robert L. (Pre-Med.)	D. C.
Ritchie, Don C. (Com.)	Mo.	Weitzel, Frank Harvey (Gen.)	D. C.
Roache, Fred Brinning (Pre-Med.)	D. C.	Weller, Margaret C. (Pre-Med.)	D. C.
Robertson, J. Louis (Pre-Leg.)	Ky.	Wester, Horace Volney (Gen.)	D. C.
Rodock, Charles B. (Com.)	Nehr.	Wheeler, John Leonard (Gen.)	D. C.
Rohrer, Herbert A. (Gen.)	D. C.	Whipple, M. Edith (Gen.)	Iowa
Roning, Ruth K. (Pre-Leg.)	Ill.	Whitaker, Richard B. (Bus. Adm.)	Idaho
Rosen, Alexander Charles (Gen.)	Va.	White, Ruth (Gen.)	Nehr.
†Rosson, Bernard Charles (Gen.)	Minn.	Whitehouse, Francis Herbert (Com.)	Colo.
Roudabush, William G. (Pre-Med.)	N. Y.	Williams, Chester Milton (Gen.)	D. C.
Royster, Frank Gerall (Com.)	D. C.	Williard, John E. (B.S. Phys.)	Pa.
Rubenstein, Lillian (Gen.)	D. C.	Willoughley, Marion F. (Gen.)	N. Y.
Ryan, Margaret Frances (Gen.)	Minn.	Wimsoit, Genevieve B. (Gen.)	D. C.
Sabin, Archie R. (Gen.)	D. C.	Woodhouse, Iris Frances (Gen.)	Va.
Saegmuller, Louisa Page (Gen.)	Mass.	Wren, Virginia (Gen.)	Va.
†Sakia, George P. (Pre-Leg.)	Tenn.	†Young, John Wm. (Gen.)	Va.
Sannebeck, Norvello Harrison (Gen.)	Va.	Zarin, J. Bernard (Gen.)	D. C.
Scrivener, Frank Edward (Pre-Leg.)	D. C.	†Zeigler, Helen Anita (Gen.)	Md.
		Zoch, Richard Tucker (Gen.)	Ala.
		Zuberano, Henry A. (Gen.)	D. C.

SOPHOMORES

Aal, Cary Wolcott (Gen.)	D. C.	†Ackerman, Carl Julius (Gen.)	D. C.
Abeles, Sara B. (Gen.)	N. J.	Adams, Irwin H. (Pre-Med.)	N. J.
†Abramson, Irving (Gen.)	D. C.	Aldridge, George Telfair (Pre-Leg.)	Ohio
Abramson, Norman (Pre-Leg.)	D. C.	Algire, Dorothy Duvall (Gen.)	Md.

Allen, James C. (Com.)	D. C.	Castell, Richard (Pre-Med.)	D. C.
Allison, William Morris (Pre-Med.)	Utah	Cates, Elizabeth (Gen.)	Va.
Alpher, Solomon (Pre-Leg.)	D. C.	†Cayton, Howard (Pre-Leg.)	D. C.
Amos, Henry E. (Com.)	Md.	Chamberlain, Buelah Lee (Gen.)	S. C.
Anderson, A. Mildred (Gen.)	Mo.	Chapin, Ida Florence (Gen.)	Pa.
Arnold, Irving Arthur (Pre-Med.)	D. C.	Chapin, Theodore Yale (Gen.)	Ill.
Arps, Harold Fred (Gen.)	Ohio	Chase, Norman Oliver (Gen.)	D. C.
†Ash, James Earle (Gen.)	Pa.	Chasmar, Louise (Gen.)	D. C.
Atkins, John Lewis (Gen.)	D. C.	Cheseldine, James (Pre-Leg.)	D. C.
Aud, W. Dudley (Gen.)	Md.	†Chessin, Jesse H. (Pre-Leg.)	Va.
Bagronoff, Kroom Wilbur (Gen.)	Mo.	†Cheyney, Frances L. (Gen.)	D. C.
Bahr, Mildred Johnson (Gen.)	Va.	Childs, Nell M. (Gen.)	D. C.
Bailey, Alice Louise (Gen.)	Oreg.	†Chitwood, May Belle	Ark.
Bailey, Helen May (Gen.)	Oreg.	Clabarn, Houston B. (Gen.)	Mass.
†Bailey, P. Roberts (Gen.)	D. C.	†Clark, Wesley Cowdin (Gen.)	D. C.
Bakshian, May E. (Gen.)	D. C.	Cohen, Abe M. (Pre-Med.)	D. C.
Ball, William Howard (Gen.)	D. C.	Cohen, Louis Charles (Pre-Leg.)	D. C.
Baltz, Elizabeth Boesser (Gen.)	D. C.	Cohen, Walter (Gen.)	D. C.
†Barker, Clifford O. (Gen.)	R. I.	Collier, Raymond J. (Gen.)	Ala.
Barnum, Susie Garnett (Gen.)	Va.	†Collier, Mary Cain (Gen.)	D. C.
Bartleson, Edwin L. (Gen.)	Mo.	Conger, Virginia Watts (Pre-Leg.)	N. Y.
†Bauer, George Michael (Gen.)	D. C.	Connally, George Edward (Pre-Leg.)	D. C.
Bauersfield, Emil Herbert (Pre-Med.)	Md.	Cook, Peggy (Gen.)	Md.
†Bay, Josephine Elizabeth (Gen.)	Ohio	Coombs, David Russell (Gen.)	P. R.
Beal, (Mrs.) Annie F. (Pre-Leg.)	Mo.	Cordero, Tulio	D. C.
†Beattie, Daniel Currie (Pre-Med.)	Va.	Corea, India Bell (Gen.)	N. H.
Beattie, May (Gen.)	Va.	Cornish, Lalla Herrscher (Com.)	D. C.
†Beecher, F. Sidney	Calif.	Coult, May (Gen.)	D. C.
Beckman, Milton M. (Com.)	D. C.	Cowgill, Harold (Gen.)	Md.
Bein, Kate (Gen.)	D. C.	Cox, A. Melville (Pre-Leg.)	D. C.
Bell, Ruth Eleanor (Gen.)	N. Y.	Cox, Marion (Gen.)	D. C.
Beller, Leona Marie (Gen.)	Wisc.	†Crews, Mildred (Gen.)	D. C.
Benenson, Phillip (Pre-Med.)	D. C.	†Crews, Sybil Rowe (Gen.)	D. C.
Berkowitz, Samuel (Pre-Med.)	N. J.	†Creyke, Geoffrey, Jr. (Pre-Leg.)	D. C.
Bernstein, Jeannette (Gen.)	D. C.	Cross, Allen S. (Pre-Med.)	Pa.
Berryman, Louise Rhoeas (Gen.)	D. C.	Cummings, Owen C. (Gen.)	Iowa
Berto, Charles (Pre-Ed.)	Ohio	Curran, John	Pa.
Birch, Catherine (Gen.)	D. C.	Davey, Grace Elizabeth (Gen.)	D. C.
Blythe, Harold Hillman (Pre-Leg.)	D. C.	David, Leo (Bus. Adm.)	Ga.
Bogley, Jane Elizabeth (Gen.)	Md.	Davis, Frank Lawson (Gen.)	D. C.
Bogue, Delia (Gen.)	Wash.	Davis, Henry (Pre-Med.)	Tex.
Bonwit, Julia Audrey (Gen.)	D. C.	Davis, Marjorie Browne (Gen.)	D. C.
Boswell, Aileen Helen (Pre-Ed.)	D. C.	Davis, Kemp T. (Gen.)	D. C.
Bowie, Donald McAlphin, Jr. (Gen.)	Md.	De Fontes, Marion T. (Gen.)	D. C.
Bowman, Joseph Myers (Gen.)	Va.	Dembitz, Nanette Matilda (Gen.)	D. C.
Boyd, Evelyn Mae (Gen.)	Colo.	Devane, Ruth Elizabeth (Gen.)	N. J.
Branda, Frank A., Jr. (Com.)	Conn.	†Deyber, Virginia E. (Gen.)	P. I.
Branson, Eleanor Kober (Gen.)	D. C.	Diamond, David (Pre-Med.)	D. C.
†Bray, Mason Barnes (Gen.)	Ala.	Diaz, Alipio Ducanny (Gen.)	N. J.
Breckinridge, Lillian (Gen.)	D. C.	Dickinson, Lester Coolidge (Gen.)	N. Y.
Brewer, Donald D. (Gen.)	D. C.	Dobrin, Solomon (Gen.)	D. C.
†Brockett, Marjorie (Gen.)	D. C.	Dolinsky, Walter S. (Gen.)	D. C.
Brodrick, Kenneth L. (Pre-Leg.)	Kans.	Draper, William Curtis (Gen.)	D. C.
Brook, May Louise (Gen.)	Pa.	Durham, Lewis M. (Pre-Leg.)	D. C.
Brower, Edgar J. (Gen.)	Iowa	Durham, Howard P. (Bus. Adm.)	D. C.
†Brown, Southwell (Pre-Med.)	D. C.	Eckerman, Beryle (Gen.)	N. Y.
Brubaker, Claude A. (Gen.)	D. C.	Edmiston, Beryle (Gen.)	D. C.
Brunschwig, Marguerite (Gen.)	D. C.	Edwards, Lynda S. (Gen.)	D. C.
†Bryan, Henry Eugene (Pre-Leg.)	Ohio	Eidrammer, Dorothy Marie (Gen.)	D. C.
Buchanan, Martha H. (Pre-Ed.)	D. C.	Eiselman, Nat (Pre-Med.)	Va.
Buckingham, John H., Jr. (Com.)	D. C.	Ellis, Virginia Margaret (Gen.)	Miss.
Buckman, Bertha Schooley (Gen.)	Va.	Emanuel, Victor M. (Pre-Leg.)	D. C.
Bundy, Ross (Pre-Med.)	N. Y.	Emanuel, Victor M. (Pre-Leg.)	D. C.
Burnham, Mildred Moger (Gen.)	D. C.	English, Mertion A. (Pre-Med.)	N. J.
Burns, Charles W. (Gen.)	D. C.	Ernest, Alice Lee Ella (Gen.)	D. C.
Burr, Julia R. (Gen.)	Ohio	Evans, Morfydd (Gen.)	D. C.
Bushman, Vernon L. (Pre-Leg.)	D. C.	Ewin, N. Elizabeth (Gen.)	N. J.
†Buswell, Ruth I. (Bus. Adm.)	Colo.	Fansler, Mildred M. (Gen.)	N. Y.
Butler, Henry Lee, Jr. (Pre-Med.)	D. C.	Faust, Mary Catherine (Pre-Med.)	Pa.
Butler, M. Marian (Gen.)	D. C.	Feather, Edith (Gen.)	Tex.
Canfield, Dorothy Grumell (Gen.)	D. C.	Feldman, Samuel David (Pre-Med.)	D. C.
†Carlton, Sarah Angela (Pre-Ed.)	D. C.	Feldner, A. Vernon (Pre-Med.)	D. C.
Carter, Joe Alton (Gen.)	D. C.	Ferguson, James Houston (Gen.)	D. C.
†Caruso, Amedeus Jacob (Pre-Leg.)	Mo.	†Finch, Norma G. (Gen.)	D. C.
	D. C.	Fitzgerald, Mary Emmet (Gen.)	D. C.
		Fly, Jean (Gen.)	

Foster, George Nelson (Gen.)	D. C.	Lakin, Hubert W. (Gen.)	Ark.
Freitas, Bertha (Gen.)	Wisc.	Larcombe, John Ray (Pre-Leg.)	D. C.
Fugitt, Helen Jean (Pre-Ed.)	D. C.	Lathrop, John Bouse (Gen.)	Va.
Galbraith, Eva M. (Gen.)	D. C.	Lee, Martha Ellen (Gen.)	D. C.
Galer, Charles L. (Gen.)	D. C.	Lee, Mary Ellise (Gen.)	Va.
Gallardo, Jose Artuvo (Gen.)	P. R.	Leigh, Alfred Day (Pre-Leg.)	Va.
†Gardella, Anthony Louis (Gen.)	D. C.	Lenox, Edna (Gen.)	D. C.
Garrett, Burns (Gen.)	Tenn.	Leonard, Irene (Gen.)	D. C.
Gibbs, Andrew Harris (Pre-Ed.)	D. C.	Lesser, Florence (Gen.)	D. C.
Gibner, Lawrence (Gen.)	D. C.	Leverton, J. Franklin (Pre-Med.)	D. C.
Glabach, Nathan (Pre-Med.)	D. C.	Levin, Samuel (Gen.)	D. C.
Goding, Grace Mae (Gen.)	D. C.	†Levitin, Benjamin (Pre-Leg.)	D. C.
Goldberg, George Isadore (Pre-Med.)	N. Y.	†Lewis, William A., Jr. (Bus. Adm.)	Kans.
Goldin, Philip (Pre-Med.)	D. C.	Lewton, Rhoda (Pre-Med.)	Md.
Gray, Kathryn Joseph (Gen.)	N. Y.	Ligon, David S. (Pre-Leg.)	Va.
Grow, Wendell Herbert (Pre-Leg.)	Mo.	Lilley, Donald Hurley (Gen.)	D. C.
Gumenick, Edna (Gen.)	Mich.	Linebarger, Paul M., Jr. (Gen.)	D. C.
Curley, Revere B. (Gen.)	D. C.	Link, Dennis Clemence (Gen.)	W. Va.
Haddox, Horace Bolivar (Com.)	Md.	Link, Henry W. (Gen.)	S. C.
Hamill, Frances Virginia (Gen.)	Md.	†Loman, Martha Eleanor (Pre-Leg.)	Md.
Hanback, William Brecht (Pre-Leg.)	D. C.	Lomas, George Edward (Gen.)	Ill.
Haney, Paul E. (Com.)	D. C.	Long, Florence A. (Gen.)	Va.
†Hanie, Ernest R. (Gen.)	D. C.	Lord, Carolyn M. (Gen.)	D. C.
Harrell, Theodore L. (Pre-Med.)	D. C.	Lowell, Elisabeth Buttner (Gen.)	D. C.
Harriman, Mary (Gen.)	D. C.	Lowrey, Berrin Holmes (Gen.)	Miss.
Hartman, Clarence Richard (Pre-Med.)	D. C.	†Lu, Da-June (Pre-Med.)	China
Hawkins, Lawrence F. (Gen.)	Va.	Lucas, Allene Myrtle (Gen.)	D. C.
Hayden, Virginia Ann (Gen.)	W. Va.	Luce, Elizabeth S. (Gen.)	Ark.
Heal, Delight (Gen.)	D. C.	Lum, Marian Preston (Gen.)	D. C.
Henderson, Fletcher O. (Pre-Leg.)	Ind.	Lund, Phoebe Mariou (Gen.)	D. C.
Henderson, Helen (Gen.)	D. C.	Lutz, Mildred Maddox (Gen.)	D. C.
Henry, Helen Caldwell (Gen.)	D. C.	Lyman, Josiah (Pre-Leg.)	D. C.
Heslet, Mary Rhoda (Gen.)	D. C.	†McClelland, Mildred Scott (Gen.)	D. C.
Hilder, L. Dorothy (Gen.)	D. C.	McDougle, Leonides L., Jr. (Com.)	D. C.
Hiley, Walter Marion (Gen.)	Va.	McGrew, Steele (Pre-Leg.)	Tenn.
Hoover, William M., Jr. (Pre-Med.)	D. C.	McMillan, Hugh Charles (Com.)	Mich.
Horsfall, Carra Elisabeth (Gen.)	D. C.	McNary, Mary H. (Gen.)	Md.
Howe, Sarah Louise (Gen.)	D. C.	†McNeill, George H. (Pre-Leg.)	D. C.
†Hubbard, Harry Goff (Pre-Leg.)	N. Y.	McQueen, Thomas W., Jr. (Gen.)	D. C.
Hudson, R. Minor (Gen.)	W. Va.	McReynolds, William Emmett (Gen.)	D. C.
Hull, Moody (Gen.)	D. C.	MacKnight, Harold Egbert (Gen.)	N. Y.
Hultz, Louise E. (Com.)	W. Va.	MacMullan, Charles Francis (Pre-Leg.)	Md.
†Hummer, Hiram Walter (Gen.)	D. C.		
Humphries, Louise W. (Gen.)	Okla.	Magarity, Erma E. (Gen.)	Va.
Hutson, John H. (Gen.)	D. C.	Malampy, Richard Henry (Gen.)	D. C.
Hyatt, Janice Pearl (Gen.)	D. C.	†Manley, R. Maxwell (Pre-Med.)	Pa.
Iglehart, Donald Hunt (Gen.)	Md.	Marchal, Elizabeth Eugenie (Gen.)	France
Ihle, Dora Mildred (Gen.)	D. C.		
†Isbell, Ruth (Gen.)	D. C.	Mark, Benjamin Ralph (Gen.)	D. C.
Jackson, Carolyn Fay (Gen.)	Conn.	Markwood, Ruth (Gen.)	D. C.
Jackson, Thomas Searing (Gen.)	Md.	Martell, Helen M. C. (Gen.)	D. C.
Jacobs, Florence L. (Gen.)	D. C.	Martin, J. Virginia (Gen.)	D. C.
Javier, Pedro Quinico (Gen.)	N. Y.	†Mason, John T., Jr. (Pre-Leg.)	Ill.
John, Hermione Idris (Com.)	P. I.	†Mason, Walter Ballard (Com.)	Idaho
Johnson, Emera (Gen.)	D. C.	†Mastrovito, Vincent James (Gen.)	R. I.
Johnson, Paul Gerhard (Com.)	Md.	May, William Pickford (Pre-Med.)	D. C.
Jones, Harold Clifford (Gen.)	Wisc.	McAuliffe, Alice Davida (Gen.)	D. C.
Kahn, Frances Morris (Gen.)	Md.	†Melendres, Lillian (Gen.)	N. Mex.
Kehoe, Elizabeth Agnes (Gen.)	D. C.	Meredith, Richard Hamilton (Pre-Med.)	D. C.
Kesler, (Mrs.) Eveline H. (Gen.)	Pa.		
Kendrick, Caldwell C. (Gen.)	D. C.	Merritt, Fannie Fern (Gen.)	Me.
†Kielly, Zona Mae (Gen.)	D. C.	†Miller, Howard Chappell (Gen.)	N. J.
†Kinnard, Virginia (Gen.)	Va.	Marron, Eleanor L. (Gen.)	D. C.
†Kirtz, Ruth Bagley (Gen.)	Wisc.	Mills, Coel W. (Gen.)	Mont.
Kirkham, Ellis M. (Gen.)	D. C.	†Moncure, Robert Clarke (Gen.)	D. C.
Kirkham, Adelaide Stiles (Com.)	Ill.	Mooney, Eire A. (Gen.)	D. C.
Koapp, James W. (Pre-Leg.)	D. C.	Moore, Gladys C. (Gen.)	D. C.
Kroot, Myrtle Catherine (Gen.)	N. Y.	Moore, John Turner, Jr. (Com.)	Pa.
Knowlton, Frances Jessie (Com.)	Md.	Moorhead, Gertrude E. (Gen.)	D. C.
Kreutzer, Helen A. (Gen.)	D. C.	Morgali, M. Ralph (Pre-Leg.)	Nev.
Kueck, Paul D. (Gen.)	Wisc.	Morgan, Prentice G. (Gen.)	N. Y.
Ladd, Virginia (Gen.)	Okla.	Morcos, Anna Lucille (Gen.)	Md.
	D. C.	Moses, Arthur Nick (Gen.)	D. C.
		Myers, Gertrude (Gen.)	D. C.

Neal, W. Frank (Gen.)	Idaho	†Scott, Francis P.	Mich.
Nelson, Esther (Gen.)	Minn.	†Scott, Stephen Mabes (Spec. Pre-Med.)	N. Y.
Nesbit, Mary K. (Gen.)	Kans.		Mass.
†Nevitt, Mary Ellen (Pre-Ed.)	D. C.	Scully, Charles Burleigh (Com.)	Utah
†Nicholson, Albert Bassoch, Jr. (Gen.)	D. C.	Sedlak, Oliver Anton (Gen.)	Minn.
Nickerson, Dorothy (Gen.)	D. C.	Seegmiller, Arlo Baker	Minn.
Nickle, Vevian Edna (Gen.)	Canada	Selvig, Conrad G. (Pre-Leg.)	N. J.
Nimerfro, Beatrice Mary (Gen.)	Minn.	Selvig, Margaret E. (Gen.)	D. C.
Norris, Edith Craigen (Gen.)	D. C.	Senna, Dick (Pre-Med.)	N. J.
†Norton, Martha Fitton (Pre-Ed.)	D. C.	Shaffer, Samuel (Gen.)	D. C.
Norwood, Natalie St. Clair (Gen.)	D. C.	†Shaw, Elanor M. (Gen.)	Del.
O'Brien, Agnes G. (Gen.)	D. C.	Shea, Samuel Hazen (Pre-Med.)	N. Y.
Oddenino, Mary A. (Gen.)	D. C.	Shoeb, Francis Joseph (Pre-Leg.)	Del.
Ornstein, Esther Cafritz (Gen.)	D. C.	Sheinmel, Archie (Pre-Med.)	D. C.
Orrick, Nannie Abbot (Gen.)	D. C.	Sheppe, Howard Hamilton (Pre-Med.)	D. C.
Orris, Harold Julius (Pre-Med.)	N. J.	Shorey, John C. (Gen.)	D. C.
†Ossen, Edward R. (Pre-Med.)	Conn.	†Sickler, Gerald Whitmore (Gen.)	D. C.
†Papulias, George John (Pre-Leg.)	Ohio	Siddall, Emilie E. (Gen.)	Ark.
†Parel, James Don (Pre-Leg.)	D. C.	†Silaz, John B., Jr. (Gen.)	D. C.
†Parsons, John Hughes (Gen.)	D. C.	Silverman, Israel (Pre-Leg.)	D. C.
†Paulus, George M. (Pre-Leg.)	Wisc.	Silverman, Louis Charles (Pre-Med.)	D. C.
Peckham, Winifred Alida (Gen.)	Pa.	Sipahi, Rudjhen Nadjo (Gen.)	D. C.
Peter, Fannie Irene (Pre-Leg.)	D. C.	Smith, Carroll Newton (Gen.)	W. Va.
Peters, Lillian Anne (Gen.)	D. C.	Smith, E. Tantha (Gen.)	S. C.
Phillips, William Seymour (Gen.)	D. C.	†Smith, Isobel McLeod (Gen.)	Pa.
†Pinard, Isabel (Gen.)	N. Mex.	Smoot, Charles Effinger (Pre-Leg.)	D. C.
†Pinney, Mattie (Gen.)	Ky.	Smoot, H. Kenneth (Gen.)	D. C.
Pittman, John Irvin (Gen.)	Va.	†Solomon, Louis M. (Gen.)	D. C.
Pitta, Lorena (Gen.)	D. C.	Sourwine, Mary Nevada (Gen.)	D. C.
Polkowitz, Morton Leo (Pre-Leg.)	N. J.	Spahr, Mildred Effie (Pre-Med.)	D. C.
Preston, Phoebe Darlington (Gen.)	Md.	Spalding, Paul Lester (Pre-Leg.)	D. C.
Price, Leonard H. (Pre-Leg.)	Md.	Spencer, Arline (Gen.)	D. C.
Primm, Margaret (Gen.)	D. C.	†Spengler, Catherine M. (Gen.)	Kans.
†Purcell, Kathryn Dean (Gen.)	D. C.	Sperry, August W. (Gen.)	D. C.
Quarles, John Dane (Gen.)	Va.	Spooner, Beth (Pre-Leg.)	N. J.
Ramsey, Ralph E. (Com.)	Iowa	Stanley, Samuel Fordyce (Gen.)	Md.
Randall, Fred Glenwood (Gen.)	D. C.	Stark, Harry Lewis (Pre-Med.)	D. C.
Randolph, Agnes M. (Com.)	Ill.	†Starratt, Ruth Pickens (Gen.)	D. C.
Rask, Henry George (Bus. Adm.)	N. Y.	†Stauffer, David Rinehart	Neb.
Ratliffe, Joseph Leinson (Pre-Leg.)	D. C.	Stearley, Gladys Alena (Gen.)	Idaho
Reed, Rosalie Sanderlin (Gen.)	D. C.	Steele, John W. (Pre-Leg.)	N. J.
Reeside, Robert Hughes (Pre-Leg.)	D. C.	Steiner, Alexander Watman (Pre-Leg.)	Conn.
Reid, Frank, Jr. (Gen.)	Ill.	Stepakof, Harry (Bus. Adm.)	Calif.
Remon, Ruth Anne (Gen.)	Va.	Steven, Gladys Louise (Gen.)	D. C.
Rice, Betty (Gen.)	Md.	Stewart, George Romney (Gen.)	D. C.
Rice, George Milton (Com.)	D. C.	Stewart, Henry H. (Com.)	D. C.
Richard, Dalbert J. (Pre-Med.)	La.	Stocker, Lucy Rebecca (Gen.)	Ill.
Richards, James Walsh (Gen.)	D. C.	Stumm, Erwin C. (Gen.)	W. Va.
Richewine, Barton W. (Pre-Med.)	D. C.	Sullivan, Ruth Eugenia (Gen.)	D. C.
Rioche, Isabel Kirk (Gen.)	N. Y.	Sullivan, Ruth Eugenia (Gen.)	Utah
Rippey, Aaron Stanton (Gen.)	D. C.	Swiger, Paula Edith (Com.)	D. C.
Rittenour, Marion Russell (Gen.)	D. C.	Swindells, James Fisher (Gen.)	D. C.
Rivera, Julio (Pre-Med.)	P. R.	Tanner, John H. (Pre-Leg.)	D. C.
Robinson, Murray M. (Pre-Med.)	Md.	†Tarrant, Anita S. (Gen.)	D. C.
Rollins, Pearl S. (Gen.)	Mass.	Tarses, Joseph (Gen.)	Ark.
Rollins, Richard A. (Gen.)	Va.	†Tatum, Charles Carson (Gen.)	D. C.
Romney, George W. (Pre-Leg.)	Utah	Teates, Agnes E. (Gen.)	N. Y.
Ronning, Henry L. (Gen.)	Minn.	Terry, George Jefferson (Com.)	D. C.
Rose, J. Hugh (Gen.)	N. Y.	†Thom, III, Alfred Pembroke (Gen.)	D. C.
†Rosen, Fredda (Gen.)	N. J.	†Thom, III, Alfred Pembroke (Gen.)	D. C.
Rowe, Lena L. (Gen.)	D. C.	Thomas, John Roy (Com.)	D. C.
Sanner, James R. (Gen.)	Pa.	Thompson, Nathaniel T. (Pre-Leg.)	D. C.
Saunders, James Whiting (Gen.)	Va.	Thompson, Owen Gardner (Gen.)	D. C.
†Savage, Rose M. (Gen.)	Pa.	Thompson, William P. (Gen.)	D. C.
Sawbridge, Ben M. (Gen.)	D. C.	Todd, Mary Catherine (Gen.)	N. Y.
Schenken, Dorothy (Gen.)	D. C.	Trembley, Helen Louise (Gen.)	Minn.
†Schlegel, Harry F. (Pre-Med.)	D. C.	Trimble, Agnes (Gen.)	Tex.
Schlenker, Alvin C. (Gen.)	D. C.	Tsunoda, Kimi (Gen.)	N. C.
Schock, John L. (Pre-Med.)	N. Dak.	Tuby, Stephen (Gen.)	D. C.
Schult, Verna May (Gen.)	Wisc.	Turner, Jettie (Gen.)	Ark.
Schwartz, Morris S. (Pre-Leg.)	D. C.	Tyson, Dorothy Beckwith (Gen.)	D. C.
†Seefeld, John D. (Pre-Leg.)	Md.	Ullman, Jerold B. (Pre-Leg.)	Ark.
Scott, Arnold Eden (Pre-Leg.)	Utah	Vollamn, Thelma Hazel (Gen.)	D. C.
		Lewinski, Inge Von (Gen.)	D. C.

†Wagner, Katherine (Gen.)	D. C.	White, Helen Louise (Gen.)	D. C.
Waller, Fred E. (Com.)	D. C.	Wice, Israel (Gen.)	D. C.
Watkins, Gladys Eudolphia (Gen.)	Md.	†Williams, L. Jean (Gen.)	D. C.
Watkins, Kennedy Campbell (Pre-Leg.)	D. C.	Willoughby, Grace Elizabeth (Gen.)	N. Y.
Watkins, Olivia (Gen.)	Md.	Wilson, Myrtle Ann (Gen.)	Okl.
†Watson, Ralph E. (Gen.)	Ind.	Wilton, Ralph William	D. C.
Weaver, Mary Annetta (Gen.)	D. C.	Wingard, Hugh Donald (Pre-Med.)	Pa.
Webster, Louise A. (Gen.)	N. Y.	Wiseman, Earl Finley (Gen.)	Md.
Weeks, George Brightman (Pre-Leg.)	N. J.	Wiser, Ralph L. (Gen.)	Md.
Westman, Sylvia (Gen.)	D. C.	Worrall, Dorothy Norwood (Gen.)	D. C.
Westbrook, Frank S. (Gen.)	D. C.	Wright, Gladys M. (Gen.)	D. C.
†Westfall, James Thompson (Gen.)	Mich.	†Yirka, Frank Leo (Gen.)	S. Dak.
Wheaton, Phila Lucile (Gen.)	N. Y.	†Young, Maude (Gen.)	Wisc.
Wheeler, Lula M. (Gen.)	D. C.	Young, Rosebud Hopley (Gen.)	Okl.
White, Grace A. (Pre-Leg.)	Ohio	Zartman, Ross Barnard (Gen.)	D. C.
		Ziegler, Marion Maxine (Gen.)	D. C.

FRESHMEN

†Aaron, Irene (Gen.)	D. C.	Baitz, Esther (Gen.)	D. C.
Adams, Dortha Floretta (Gen.)	Md.	Bastable, Edwin Francis (Com.)	D. C.
Adams, Roger Brook (Gen.)	D. C.	Bates, Dorothy Amelia (Gen.)	Va.
Aetopoulos, George G. (Gen.)	Greece	Battle, Mildred Ida (Gen.)	D. C.
†Agnew, Marjorie Harriet (Gen.)	Iowa	Baulsir, George E. (Gen.)	D. C.
Akre, Philip S. (Gen.)	S. Dak.	Beahm, Hazel Christine (Gen.)	Va.
Albert, Arnold (Pre-Med.)	N. Y.	Beall, Walter H. (Gen.)	D. C.
Albert, Irvin Robert (Pre-Leg.)	D. C.	Beasley, D. Otis (Pre-Leg.)	Miss.
Alexander, Andrew William (Pre-Leg.)	D. C.	Been, Richard Olof (Gen.)	Mich.
†Alexander, Elizabeth (Gen.)	D. C.	Bein, Adelle (Gen.)	D. C.
†Alexander, Herbert Lee (Gen.)	D. C.	Belfield, William Randolph (Gen.)	Md.
†Alexander, Nancy Isabel (Gen.)	W. Va.	†Belhumeur, Lucille Marie (Gen.)	D. C.
†Allen, Charles R. (Gen.)	D. C.	Bell, John O. (Gen.)	P. I.
Allen, Dorothy Brown (Gen.)	D. C.	Bell, Marian Dimse (Gen.)	D. C.
Allen, Mary Jane (Gen.)	D. C.	Belnick, Esther (Gen.)	D. C.
Allen, Ruth Augusta (Gen.)	D. C.	Bennett, Anna Dell (Gen.)	D. C.
†Almouy, Norman Sylvester (Gen.)	D. C.	Bennett, Elsie Muriel (Gen.)	Md.
Alpher, Ruth (Pre-Leg.)	D. C.	Bennett, Winfield Dewitt (Bus. Adm.)	D. C.
†Alt, Anne Bertha (Gen.)	D. C.	Bequette, Elizabeth Jeannette (Gen.)	D. C.
†Anderson, Ariel Elizabeth (Gen.)	D. C.	Berdahl, Dorothy Maer (Gen.)	S. Dak.
†Anderson, Gertrude Victoria (Gen.)	Iowa	†Bergren, Cosette Lucile (Gen.)	Iowa
Anderson, Helen (Gen.)	Colo.	Berman, Leonard S. (Pre-Med.)	D. C.
Anderson, Marguerite Sheppard (Gen.)	D. C.	†Berman, Ralph (Gen.)	Mass.
Anderson, Myron Albert (Gen.)	D. C.	†Berrall, Katharine Skrine (Gen.)	D. C.
Anderson, Thomas J. (Pre-Leg.)	Ariz.	Beasley, Eletheer La Moree (Gen.)	D. C.
Andrada, Fonacier G. (Gen.)	Minn.	Best, Howard Paul (Pre-Med.)	Ill.
Apfel, Adele (Gen.)	P. I.	Bier, Bertha F. (Gen.)	Pa.
Aponte, Faustino R. (Pre-Leg.)	N. Y.	Biggers, James Walton (Gen.)	Va.
Arnold, Hertha Emma (Gen.)	P. R.	Biggins, Joseph Aloysius (Gen.)	D. C.
Aronstein, Mary Libby (Gen.)	Germany	†Bilisoly, David Livingston (Gen.)	D. C.
Ashby, George L. (Gen.)	D. C.	Bisselle, Sara Elizabeth (Gen.)	Md.
†Atherton, Mildred (Gen.)	Md.	Bittner, Jane Caroline (Gen.)	Pa.
Ashton, Dolph William (Gen.)	D. C.	Black Adele (Gen.)	D. C.
Atkins, Claire (Gen.)	D. C.	†Black, Dorothy Elizabeth (Gen.)	D. C.
Avery, Edwin V. Austin (Gen.)	D. C.	Blackstone, Margaret Ann (Gen.)	Md.
†Baer, George (Pre-Med.)	N. Y.	Blair, William Richard, Jr. (Gen.)	D. C.
†Baetzner, Willard H. (Gen.)	D. C.	Blaisdell, Eleanor Wingate (Gen.)	N. H.
Bailey, Helen Lavonne (Gen.)	D. C.	Bleichap, Mary Mariam (Gen.)	D. C.
Bain, Wendell Henry (Pre-Leg.)	D. C.	Blond, Ruth Theresa (Gen.)	D. C.
Baird, Una Morris (Gen.)	Iowa	Bo Dony, Anna Margaret (Gen.)	Ill.
Baker, Alida Annet (Gen.)	D. C.	Bogardus, William Porter (Bus. Adm.)	D. C.
Baker, Laveda Mae (Gen.)	Mass.	Boivin, Patrick Alfred (Com.)	D. C.
Baldinger, Frederick S. (Gen.)	D. C.	Bolls, Leila Willis (Pre-Med.)	D. C.
Ball, Robert Steward (Gen.)	Md.	Boote, Ward Ethridge (Gen.)	Pa.
Banks, Dolly M. (Gen.)	D. C.	†Bord, Ned. A. (Gen.)	Va.
Baranaki, Sylvester N. (Gen.)	Ky.	Borger, Magdalen (Gen.)	D. C.
Barbash, Samuel C. (Com.)	Mich.	Boriss, Arnold Silvan (Gen.)	N. Y.
Barnett, Samuel L. (Pre-Leg.)	P. I.	Borjes, Margaret Alexander (Pre-Leg.)	D. C.
Barnhart, Lois Lucille (Gen.)	Iowa	Bostick, Lula Edna (Gen.)	Ohio
Barrick, Nelson G. (Com.)	Md.	†Boswell, Hugh Curley (Pre-Leg.)	D. C.
Barrick, Katherine Elliott (Gen.)	D. C.	Bowie, Frank M. (Gen.)	Va.
Baril, Helen Loraine (Gen.)	D. C.	Bowles, Edgar Oliver (Gen.)	D. C.

Boxer, Sophie (Gen.)	D. C.	†Charuhas, Thomas Charles (Gen.)	D. C.
Boykin, William Emmell	Ind.	Chen, Sui Fong (Gen.)	China
Boyle, Mary Marion (Gen.)	D. C.	Chernikoff, Ida (Gen.)	D. C.
Boyle, Robert Joseph (Gen.)	Pa.	Cherry, Mary Yolonda (Gen.)	Pa.
†Bozarth, Elmer Neal (Gen.)	D. C.	Cheyney, Roland (Gen.)	Va.
†Brace, George Alton (Pre-Leg.)	N. Y.	Chipman, Katherine Phyla (Gen.)	D. C.
†Brands, Elizabeth C. (Gen.)	Ky.	Chittick, Howard Allen (Gen.)	Minn.
Brantley, Frances Seuse (Gen.)	D. C.	Christie, John Milton (Gen.)	Md.
Breeskin, Ethel May (Gen.)	D. C.	Chumley, Jack (Gen.)	D. C.
†Breeskin, Barnet D. (Pre-Leg.)	D. C.	Churchill, Elizabeth Sarah (Gen.)	Md.
†Bretsfelder, Regina (Gen.)	N. Y.	Clark, David S. (Pre-Leg.)	Va.
Brightneberg, Paul Wooster (Gen.)	D. C.	Clark, Frank Moon (Gen.)	Ill.
†Brindell, Clarence K. (Gen.)	D. C.	Clark, Murray Cleim (Gen.)	D. C.
Brinsky, Nicholas (Pre-Leg.)	D. C.	Clark, Florence Josephine (Gen.)	Md.
Britton, Mary V. (Gen.)	Pa.	Clarke, Marie Austin (Gen.)	Md.
Brogden, Roy Osborne (Gen.)	Md.	Claxton, Margaret Virginia (Gen.)	Md.
Brookhart, Edith (Gen.)	N. C.	Clayton, Flora M. (Gen.)	Md.
Brooks, Carolyn (Gen.)	Iowa	Clews, William Hedley (Gen.)	D. C.
Brown, Beatrice Bethora (Gen.)	D. C.	Clinton, Mary G. (Gen.)	D. C.
Brown, Helen May (Gen.)	Md.	Clore, Dorothy (Gen.)	Md.
†Brown, Katherine Louise (Com.)	D. C.	†Close, William H. (Gen.)	D. C.
Brown, Leonard D. (Pre-Leg.)	D. C.	Clum, John Philip (Gen.)	D. C.
Brown, Max H. (Gen.)	Mo.	Coe, Benjamin Wiernan (Bus. Adm.)	D. C.
Brown, Ruth Miller (Gen.)	D. C.	Coe, Raymond Gill (Pre-Leg.)	D. C.
Bruce, Louise Frances (Com.)	Va.	Cohen, Emanuel M. (Pre-Med.)	D. C.
Bruce, Myrtle Heisen (Gen.)	D. C.	†Cohen, Milton J. (Pre-Med.)	Conn.
†Bryan, Julian Carlyle (Gen.)	Md.	†Cohn, Sarah Ida (Gen.)	Md.
Buckley, Carper Wilt (Pre-Leg.)	Va.	†Cole, Selden DeLoss (Gen.)	D. C.
†Buker, Kenneth Cook (Gen.)	Vt.	Coleman, Florence Beatrice (Gen.)	Md.
Burgess, Forrest Franklin (Bus. Adm.)	D. C.	†Colison, Charles Walter (Gen.)	D. C.
Burlingame, Harry Lamsan (Gen.)	D. C.	†Collier, Pearl Hensley (Gen.)	D. C.
†Burnett, Charles Paul (Gen.)	D. C.	†Collins, Elsie Jackson (Gen.)	Canada
†Burns, Mary E.	Va.	†Collins, Margaret Mary (Gen.)	N. Y.
†Burtness, Earl F. (Gen.)	N. Dak.	†Colt, Irene Vera (Pre-Ed.)	N. Y.
Burton, Marjorie Virginia (Gen.)	D. C.	†Combs, Marguerite E. (Gen.)	N. Y.
Bush, Gladys Annie (Com.)	Ill.	†Connelly, Ruth A. (Pre-Ed.)	D. C.
Bush, Ida (Gen.)	D. C.	Connor, Margaret Elizabeth (Pre-Ed.)	D. C.
†Butler, Evelyn Rebecca (Gen.)	D. C.	Connors, Joseph Aloysius (Gen.)	D. C.
†Butler, Jane R. (Gen.)	La.	Constantini, Ruth Kathryn (Gen.)	D. C.
Buttuoff, Robert R. (Pre-Leg.)	S. Dak.	†Cook, Mary Tattall (Gen.)	D. C.
†Byrne, Clare M. (Gen.)	Iowa	Cooper, Eugenia (Gen.)	Iowa
†Byrne, Frances Pearl (Gen.)	D. C.	Cooper, Margaret Hannah (Gen.)	Md.
†Cabrera, Benjamin (Pre-Leg.)	D. C.	†Copeland, William Allen	D. C.
Cadwalader, Mildred Laverne (Gen.)	D. C.	†Copes, Ethel Mary (Pre-Leg.)	Va.
†Cahow, Tracey Wilson (Gen.)	D. C.	Corea, Lois Fleming (Gen.)	Ala.
†Cain, Joseph (Pre-Leg.)	Tex.	†Corl, Elbert (Pre-Leg.)	Greece
Caldwell, Bruce (Gen.)	D. C.	Cory, Genie (Gen.)	D. C.
Calfee, William Howard (Gen.)	D. C.	Cotsoni, Francesca (Pre-Ed.)	D. C.
†Calvert, Margaret V. (Gen.)	D. C.	Cotton, Jane Catherine (Gen.)	Conn.
Carder, Anna May (Gen.)	Mo.	Courtney, Thelma Lucille (Gen.)	W. Va.
Cardon, Reed (Gen.)	D. C.	Covey, William Benjamin (Gen.)	D. C.
Cardwell, Madie Lea (Gen.)	D. C.	†Cox, Floss Estelle (Gen.)	Ohio
Carlin, Lee (Gen.)	D. C.	Cox, Hannah G.	D. C.
†Carmack, Rose W.	D. C.	†Cox, Walter (Gen.)	D. C.
†Carmick, Mary Elizabeth (Gen.)	D. C.	†Craig, Donald Alexander, Jr. (Gen.)	Va.
Carr, Edna Ruth (Gen.)	D. C.	†Craig, Dorothy Marie (Gen.)	D. C.
Carr, Roland Taylor (Gen.)	Okla.	Craig, Hunter Charles (Gen.)	D. C.
†Carrigan, William Adolphus (Gen.)	D. C.	†Craig, Ruth B. Curran (Gen.)	Okla.
Carson, Velma K. (Gen.)	Ark.	†Craig, Virginia Florence (Gen.)	Va.
†Carter, Lynwood M. (Gen.)	D. C.	Crampton, Alice L. (Gen.)	Ky.
†Casky, William Preston (Gen.)	Md.	†Crawford, Alice L. (Gen.)	D. C.
†Casswell, Marian Edith (Gen.)	D. C.	Crawford, John Custis (Pre-Med.)	D. C.
Cave, William Jones (Gen.)	Wisc.	Craddock, John Durrett (Gen.)	D. C.
Ceppos, Jacob (Gen.)	Va.	Crawley, Elizabeth Kathryn (Gen.)	D. C.
Chaffee, Helen T. (Gen.)	D. C.	Croccia, Nina Marie (Gen.)	Pa.
Chambers, Frances Eleanor (Gen.)	D. C.	†Crooks, James Alex. (Gen.)	Ohio
Chamblin, Richard Frederick (Com.)	D. C.	Crossetto, Vena Mary (Gen.)	N. J.
Chandler, Leland W. (Gen.)	D. C.	Crosser, Barbara (Gen.)	P. I.
Chandler, Lois W. (Gen.)	D. C.	Crough, William Henry (Gen.)	Md.
Chapple, Marjorie (Gen.)	Mont.	Cruz, Angel Erana (Com.)	D. C.
Charuley, Dorothy Ann (Gen.)	D. C.	Culver, Julian Griggs (Pre-Leg.)	D. C.
		†Cummings, Mary G. (Gen.)	D. C.
		Cummings, Thomas C. (Gen.)	Md.
		Cutler, Katherin Marie (Gen.)	

Dabney, Marian G. (Gen.)	D. C.	Esch, Janet Dorothy (Gen.)	D. C.
Dahl, Everett Nordlie (Gen.)	D. C.	Etcheson, Nettie Dorsey (Gen.)	Md.
Damron, Clarence Edward (Pre-Leg.)	D. C.	†Eury, Dorothy V. (Gen.)	D. C.
†Danforth, George Charles (Gen.)	D. C.	Evans, Margaret E. (Gen.)	D. C.
†Darby, Eleanor Nourse (Gen.)	D. C.	†Evans, Melvin R. (Pre-Leg.)	D. C.
†Devine, Paul Norman (Gen.)	D. C.	Evers, John U. (Gen.)	W. Va.
Daniel, Eleanor Dimitry (Pre-Leg.)	Me.	Fabrizio, Francis John (Pre-Med.)	D. C.
Daniel, Lena Jane (Bus. Adm.)	D. C.	Fairchild, Helen Christina (Gen.)	Va.
Davidson, Clara May (Gen.)	D. C.	Farrell, Elizabeth Elliston (Gen.)	D. C.
Davis, Edna (Gen.)	Md.	Farrell, Katherine Louise (Gen.)	D. C.
Davis, Jack Clemens (Gen.)	Kans.	Farrell, Mary Catherine (Gen.)	Md.
Davis, Malcolm (Gen.)	D. C.	Farris, Laura Williams (Gen.)	Me.
Davis, Maurice (Gen.)	D. C.	†Fawcett, Margaret Ella (Gen.)	D. C.
Day, Annabelle (Gen.)	D. C.	†Fawcett, Curtis Harold (Gen.)	D. C.
Demars, Arthur Jean (Gen.)	D. C.	Feldstone, Rose (Gen.)	D. C.
†Demas, Zackary (Pre-Leg.)	Mich.	Felsner, Selma Lee (Gen.)	D. C.
Deneberg, Leila (Gen.)	Pa.	Felton, Euzelia Jennett (Gen.)	D. C.
†Dennis, Allan Littleton (Pre-Leg.)	D. C.	Ferlen, Eloise Lucille (Gen.)	Iowa
Deporry, John Joseph (Gen.)	Va.	Ferry, Charles Edmund (Pre-Leg.)	D. C.
Detwiler, Mary Harman (Gen.)	Va.	Fessler, Clarence Manley (Pre-Leg.)	D. C.
Dewhurst, Howard Homer (Gen.)	D. C.	Fick, Marion Elizabeth (Gen.)	D. C.
Dibble, Ruth O. (Gen.)	D. C.	Fiddesok, Harrison E. (Pre-Med.)	D. C.
Dice, Ross Albright (Pre-Med.)	Pa.	Fiete, Doloris Irene (Gen.)	Iowa
Dille, Kathryn Virginia (Gen.)	D. C.	Findley, Elizabeth G. (Pre-Ed.)	Md.
Dinges, Harold R. (Pre-Med.)	D. C.	Finegan, Paul Vincent (Pre-Med.)	Va.
†Dinowitz, Lillian (Pre-Ed.)	Va.	Fink, Celeste Frances (Gen.)	Ind.
Dirrinn, Bernice (Pre-Ed.)	D. C.	Finkel, Richard William (Pre-Med.)	D. C.
Dixon, Raymond H. (Bus. Adm.)	D. C.	Finlayson, Edward A. (Pre-Med.)	D. C.
†Dodge, Howard D. (Pre-Leg.)	D. C.	Fioramonti, Frank Joseph (Pre-Med.)	D. C.
Dodge, Morton Moore (Gen.)	Md.	Fishburn, Judith Marshall (Gen.)	D. C.
Doering, Carol Johnson (Pre-Leg.)	D. C.	†Fisher, Edwin Lyle (Com.)	Iowa
Dolinsky, Ida (Gen.)	Tex.	Fisher, Robert Strachan (Gen.)	D. C.
†Donahoe, Kathryn M. (Gen.)	Ohio	Fishman, William (Pre-Med.)	D. C.
Dondero, Joseph George (Pre-Leg.)	D. C.	†Flanagan, Adelaide Courtney (Gen.)	D. C.
Donnel, Edward H. (Pre-Leg.)	D. C.	Flax, David Morton (Gen.)	D. C.
†Dougherty, Proctor Lambert, Jr. (Gen.)	D. C.	Fleming, William Phelps (Pre-Leg.)	Ohio
†Dougherty, William Edward (Gen.)	D. C.	Flippin, Charlie Miller (Gen.)	D. C.
Douglas, Lenore (Gen.)	D. C.	Folger, James Edward (Gen.)	D. C.
Dove, Beryl S. (Gen.)	Mich.	Folsom, Frances B. (Gen.)	Wash.
Dowell, Mabel Faye (Gen.)	Md.	†Forrer, Margaret Moss (Gen.)	W. Va.
Downs, Fred Lee (Gen.)	D. C.	Foster, Allen Russell (Gen.)	D. C.
Doyle, Muriel Josephine (Gen.)	D. C.	Foster, Catherine Edna (Gen.)	D. C.
Doyle, Rhoda Annette (Gen.)	D. C.	Fowler, Bruce M. (Gen.)	D. C.
†Drew, Clifford O. (Gen.)	D. C.	†Fox, William H. (Pre-Leg.)	R. I.
Driscoll, John F. (Gen.)	D. C.	Frame, Ethel Mae (Gen.)	D. C.
Duckworth, Raymond Francis (Pre-Leg.)	D. C.	†Franks, Walter Hall (Gen.)	D. C.
Duffalo, John (Gen.)	Md.	Frech, Marie Christine (Gen.)	D. C.
Dulay, Valentin Diaz (Pre-Leg.)	Pa.	Fredendall, Catherine (Gen.)	D. C.
†Dulin, Roland E. (Gen.)	P. I.	Free, Gerald Monroe (Com.)	D. C.
†Dumas, Alfred James (Pre-Leg.)	D. C.	Free, Geraldine Floy (Pre-Leg.)	D. C.
Durand, John Dana (Gen.)	W. Va.	Freehof, Julius (Gen.)	D. C.
Durham, Richard C. (Gen.)	N. C.	Freeman, Mildred (Gen.)	N. Y.
Dye, Archie W. (Gen.)	D. C.	†Freyman, Thelma Marguerite (Gen.)	D. C.
†Dyson, Doris Jeannette (Gen.)	N. C.	†Friede, Pearl R. (Gen.)	D. C.
Eaker, Carl Homer (Gen.)	D. C.	Friedlander, Herman Irvin (Gen.)	D. C.
†Eamich, Richard James (Gen.)	Tex.	Friedman, Rhoda Barbara (Gen.)	D. C.
Ekert, Catherine E. (Gen.)	Md.	Fries, Stuart G. (Gen.)	D. C.
Edelen, Richard Edwin (Pre-Ed.)	D. C.	Frigillana, Leon Diaz (Gen.)	D. C.
†Edwards, Everett Ashe (Gen.)	D. C.	†Fuller, Leslie Neve	Minn.
†Effenbach, Giana R. (Gen.)	Va.	Fusfeld, Cecile Leban (Pre-Med.)	D. C.
†Egen, Gertrude (Gen.)	Wn.	Futterer, Susan Ottilia (Gen.)	Md.
†Ehrlager, Mirian Gladys (Gen.)	D. C.	Gabbard, Hazel (Gen.)	Okla.
Ehrenfeld, Fred W. (Gen.)	Minn.	Gaffney, James Holmes (Gen.)	Nehr.
Elisier, Samuel (Gen.)	D. C.	Gaines, Doris Monette (Pre-Ed.)	Va.
Elliot, Ralph Aubrey (Gen.)	Pa.	Gaither, G. McKee (Gen.)	Va.
Enfrey, Lee Anna Pemberton (Gen.)	N. J.	†Gale, Marian P. (Gen.)	D. C.
†Engelmann, George Ernest (Bus. Adm.)	D. C.	Gallahan, Josephine Thelma (Pre-Leg.)	D. C.
Entwisle, Theodore Stanley (Gen.)	D. C.	Galloway, Robert E. (Gen.)	Mo.
†Erwin, Alice George (Gen.)	Md.	†Gammage, Benjamin (Gen.)	Va.
	D. C.	†Garber, George Rozell (Gen.)	D. C.
		Gardner, Dolly (Gen.)	D. C.
		Gardner, Marian (Gen.)	D. C.

Garnett, James Muscoe (Com.)	D. C.	Hartz, Gladys Mae (Gen.)	Iowa
Gates, Fanny Goodwin (Gen.)	Va.	Harvey, Samuel Steadman (Gen.)	D. C.
Gerber, Louis G. (Pre-Med.)	D. C.	†Haycock, Stephen P. (Gen.)	Mo.
Gibson, Susan Stuart (Gen.)	Va.	†Hayden, Anna Ida (Gen.)	D. C.
Gill, A. Daniel (Gen.)	Md.	Hayden, Forrest Shoup (Com.)	D. C.
†Gill, James Percy (Gen.)	Mo.	Haynes, Gideon Leslie (Gen.)	Mo.
Gilligan, Margaret Elizabeth (Gen.)	D. C.	†Hedge, Criss Claud (Gen.)	D. C.
Ginberg, Joseph (Gen.)	D. C.	Hellebower, Dorothy (Gen.)	Ind.
Gold, Frances Freda (Gen.)	N. Y.	†Heiney, Robert B.	D. C.
Goldberg, Rose Lillian (Gen.)	D. C.	Helvestine, William (Com.)	D. C.
Goldberger, Benjamin H. (Com.)	D. C.	†Henderson, Dorothy Beatrice (Gen.)	D. C.
Goldberger, Joseph H. (Pre-Med.)	D. C.		D. C.
†Golden, Rose G. (Pre-Med.)	D. C.	†Henderson, Katherine Estelle (Gen.)	Minn.
†Goldenberg, Harry (Gen.)	N. J.	Henkel, Amelia (Gen.)	D. C.
Goodall, Frances Leigh (Gen.)	D. C.	Henricksen, Harold L. (Pre-Leg.)	D. C.
Gordon, Bertha (Pre-Leg.)	D. C.	Henry, Mary Margaret	D. C.
Gordon, Grace E. (Gen.)	D. C.	†Hermann, Edna Ida (Gen.)	Minn.
Gordon, Jennie (Pre-Leg.)	D. C.	†Hertel, Frieda E.	D. C.
Gormly, Era May (Gen.)	Iowa	Hertzberg, Marjorie Louise (Gen.)	D. C.
Gouldin, James Daniel (Pre-Med.)	Md.	†Herzog, Eleanor Madeline (Gen.)	D. C.
Gover, Gerard H. (Gen.)	D. C.	†Hess, (Mrs.) Jeanette S.	D. C.
Graff, Shirley Leigh (Gen.)	D. C.	Heyser, Marion Tice (Gen.)	D. C.
Graves, Thomas Shedd (Pre-Leg.)	Md.	†Hickey, Francis Thomas (Gen.)	D. C.
Gray, John Shopley (Gen.)	Conn.	Hickman, Margaret Alice (Gen.)	D. C.
Gray, Lois Cecelia (Gen.)	Md.	Higgins, Eugene Witter (Gen.)	Md.
†Green, Grace Mary (Gen.)	D. C.	Hill, Jane Engeberg (Gen.)	D. C.
†Green, Mary Catherine (Gen.)	D. C.	†Himmelfarb, Stanford (Pre-Med.)	D. C.
Greenberg, Samuel (Pre-Med.)	N. Y.	Hinds, Alfred Boyd (Gen.)	D. C.
Griffith, Kelly Edward (Gen.)	N. J.	†Hobbs, Joseph B. (Gen.)	D. C.
Griffith, Terry D. (Pre-Leg.)	Va.	Hobson, Katherine Gaskill (Gen.)	Mich.
†Grifoni, Elsie Louise (Gen.)	D. C.	†Hodge, Mary Emily (Gen.)	Mo.
Griggs, Adelaide Elaine (Gen.)	D. C.	Hodson, Robert Edward (Com.)	D. C.
Grimsley, George Willard (Gen.)	D. C.	†Hoenes, Elsie Emma (Gen.)	D. C.
†Gross, Leroy Coates (Pre-Med.)	N. J.	Hoffman, Dorothy Anita (Gen.)	D. C.
Gruberman, Edward Isidore (Pre-Med.)	N. Y.	†Hoffman, Lillian Josephine (Gen.)	D. C.
	Ill.	Hoffman, Robert E. (Gen.)	Wash.
†Gueltig, Irma F. (Gen.)	Mass.	†Holcomb, Newton Reed (Com.)	Idaho
†Guerdan, Charlotte May (Gen.)	D. C.	Holden, Thomas Wellesly (Gen.)	Ill.
†Guggenheim, Leah (Gen.)	D. C.	Holliday, James T. (Pre-Leg.)	Md.
†Guild, Frank Harold (Gen.)	Tex.	†Hollinghead, Evelyn (Gen.)	Mo.
Gulick, Benjamin Arthur (Pre-Leg.)	Va.	Hollingsworth, Coral (Gen.)	Pa.
Gummel, Virginia Elizabeth (Gen.)	D. C.	†Holman, William (Pre-Leg.)	Md.
Gunther, Lawrence Wischhoff (Pre-Med.)	D. C.	†Holmead, Robert Lorraine (Gen.)	D. C.
	D. C.	Holt, Charlotte M. (Gen.)	Kan.
†Guthrie, Charles Vincent (Pre-Ed.)	D. C.	Holt, William Luke (Gen.)	D. C.
Guy, Irene Elizabeth (Gen.)	D. C.	Hopkins, William Jesse (Bus. Adm.)	N. Y.
Gwynn, Tennessee (Gen.)	Wyo.	Horigan, Florence M. (Gen.)	D. C.
Haas, Nancy Virginia (Gen.)	D. C.	Horowitz, Samuel (Pre-Med.)	Va.
Hagen, Norman Randolph (Gen.)	Minn.	Horsnell, Lois Frances (Gen.)	D. C.
Hagenbuch, John Robert (Gen.)	Pa.	Horton, Mary Angela (Gen.)	Va.
Haines, Hilton D. (Pre-Med.)	D. C.	Houser, Dorothea Emma (Gen.)	D. C.
Haislip, Dorothy Todd (Gen.)	Md.	†Houston, Walter Traynham (Gen.)	Va.
Haley, Grace Wright (Gen.)	D. C.	Howard, Joe C. (Pre-Leg.)	D. C.
Hall, Edward Madison (Pre-Leg.)	D. C.	Howell, John Benjamin (Gen.)	Wisc.
Hall, Frances Whittock (Gen.)	D. C.	Howlett, Ellen Duncan (Gen.)	D. C.
Hall, Grace Claughton (Pre-Ed.)	D. C.	Hubbel, Carter (Pre-Leg.)	Md.
Hall, Margaret Alice (Gen.)	D. C.	Hudson, Louise R. (Gen.)	Ohio
Hall, Robert Edward Lee (Pre-Leg.)	D. C.	Huie, Genevieve Dorothy (Com.)	D. C.
Hall, Ruth L. (Gen.)	D. C.	Huff, Edna L. (Gen.)	D. C.
Hamblin, Lawson Orlo (Pre-Med.)	Va.	†Hulburt, Eleanor Ruth	D. C.
Hamm, Norma (Gen.)	D. C.	†Humphreys, Dorothy (Gen.)	Va.
Hammann, Elizabeth Julia (Gen.)	Wisc.	†Hunt, Clyde Mackall (Gen.)	D. C.
†Hanagan, Winifred E. (Gen.)	Pa.	Hunter, Amy Belle (Gen.)	D. C.
Hand, Frances Woolverton (Gen.)	D. C.	Hunter, Richard S. (Gen.)	D. C.
†Hanger, Benesprings (Gen.)	Mo.	Huntress, Douglas (Com.)	Va.
†Hanowell, Charles Louis (Gen.)	D. C.	Hussey, William Brink (Gen.)	D. C.
Harles, Murray Maddox (Gen.)	D. C.	Hutchinson, Mary Virginia (Gen.)	D. C.
Harper, Robert Paul (Pre-Leg.)	D. C.	†Hutchison, Elizabeth (Gen.)	D. C.
Harper, Roger Elliott (Pre-Leg.)	D. C.	†Hyatt, Louis (Gen.)	D. C.
Harrill, Delbert Justice (Pre-Leg.)	N. C.	Ibarra, Julianne (Gen.)	D. C.
Harris, Cleo (Com.)	D. C.	Imlay, Alice M. (Gen.)	Md.
Harris, Thomas Hilliard (Gen.)	D. C.	Ing, Winifred Mary (Gen.)	Md.
†Hartman, Omar E. (Gen.)	N. Y.	Ingalls, Norman Lee (Gen.)	
		Inman, Macon (Gen.)	

Isaacs, Martha Lillian (Gen.)	Del.	†Laws, Frances Edythe (Gen.)	D. C.
†Ivers, Ruth Yost (Gen.)	D. C.	Layton, Norma Dorothy (Gen.)	Colo.
Jeweler, Evelyn A. (Gen.)	D. C.	†Lee, Dorothy Anita (Gen.)	D. C.
†Jackson, Elizabeth Wingfield (Gen.)	D. C.	Lee, Reginald Quincy (Gen.)	Tex.
†James, Laverne J. (Gen.)	D. C.	†Leech, Marion (Gen.)	D. C.
Jellery, Irene N. (Gen.)	Wyo.	Leffler, Howard R. (Gen.)	D. C.
†Jehli, Clara Belle (Gen.)	Ill.	Leon, Ruth Emily (Gen.)	D. C.
Jeweler, Ruby Christine (Gen.)	Md.	Leonard, Frank Reuben (Gen.)	Vt.
Johnson, Max Louis (Pre-Med.)	D. C.	Leventhal, Edwin (Gen.)	D. C.
Johnson, Clarence Gustaf (Gen.)	Mass.	†Levin, Frances (Gen.)	D. C.
Johnson, Frances Ashlin (Gen.)	D. C.	†Levine, Anna (Gen.)	D. C.
Johnson, Ruth Catherine (Gen.)	D. C.	†Levine, Ida (Gen.)	D. C.
†Johnston, Lincoln Garfield (Gen.)	D. C.	†Levinson, Anne (Gen.)	N. Y.
Jones, Dorothy Catherine (Gen.)	Wisc.	†Levy, Hyman (Pre-Leg.)	N. Y.
Jones, Marvin Edward (Gen.)	Wisc.	Lewallen, Mary Elizabeth (Gen.)	D. C.
Jones, Parker H. (Pre-Leg.)	D. C.	Lewon, Loretta (Gen.)	D. C.
Jones, Ralph Edmund, Jr. (Gen.)	D. C.	Liebman, Deborah Mae (Gen.)	D. C.
Jones, Sara Katherine (Gen.)	D. C.	Linke, Robert N. (Gen.)	D. C.
Jose, Susie Margaret (Gen.)	D. C.	Linthicum, H. Annabel (Gen.)	D. C.
†Joseph, May Elizabeth (Gen.)	D. C.	†Lipscomb, Mary Elizabeth (Gen.)	Ala.
†Josselson, Ida J. (Gen.)	Ohio	†Lisensky, Edward (Gen.)	D. C.
Kadushin, Herbert A. (Pre-Leg.)	Me.	Longfellow, Dean Johnson (Gen.)	D. C.
†Kaminsky, Bessie (Gen.)	N. Y.	Lowe, Margaret (Gen.)	D. C.
Kardell, Jean M. (Gen.)	D. C.	Lowrey, (Mrs.) J. J. (Gen.)	D. C.
Kaspar, Katharine Monica (Gen.)	D. C.	Lozvpone, Celeste (Gen.)	Md.
†Katzman, Joseph G. (Pre-Leg.)	D. C.	Luchs, Wallace, Jr. (Pre-Leg.)	D. C.
Kauble, Ella Henrietta (Gen.)	D. C.	†Lukci, Marianna (Gen.)	D. C.
†Kearney, Robert John (Gen.)	D. C.	Lundy, Margaret V. (Gen.)	Iowa
Keefe, Elizabeth (Gen.)	Va.	Lynch, George Francis (Gen.)	Pa.
Keeler, Clark B. (Gen.)	D. C.	Lytle, Margery A. (Gen.)	D. C.
Keenan, Jeanette G. (Gen.)	D. C.	†McBride, Frederick M. (Pre-Leg.)	D. C.
Keener, John Rankin (Gen.)	D. C.	McCain, James G. (Pre-Leg.)	D. C.
Keister, Ralph Headley (Gen.)	D. C.	McCall, John D. (Gen.)	Mont.
Keller, Hunter Lambers (Pre-Leg.)	D. C.	McCallum, Katherine Elizabeth (Gen.)	N. C.
†Kelly, John Stuart (Gen.)	D. C.		D. C.
†Kelso, William Eugene (Gen.)	Mo.	†McClellan, Jean (Gen.)	Ill.
Kelso, Mary Emmeline (Gen.)	D. C.	†McGonnell, Robert Lyle (Gen.)	D. C.
Kengla, Janet Richardson (Gen.)	D. C.	McCoy, Edith (Gen.)	Ind.
Kennedy, George Boutelle (Gen.)	D. C.	McCoy, Ralph Richard (Pre-Leg.)	Iowa
Kerr, Evelyn Ruth (Gen.)	D. C.	McCrary, Arthur L. (Pre-Med.)	D. C.
Kieferle, Alice Kennedy (Gen.)	D. C.	McCulough, Annabelle (Gen.)	D. C.
Kiel, Helen Julia (Gen.)	D. C.	†McElroy, Sarah E. (Gen.)	D. C.
Keithline, Emma (Gen.)	Pa.	†McFarlain, Alexander Caughey (Gen.)	La.
Kimball, Max Knowlton (Gen.)	D. C.	McIntosh, Donald Pierce (Com.)	D. C.
King, Margaret Lumpkin (Gen.)	Va.	McKinney, Naoma (Gen.)	D. C.
King, Raymond S. (Gen.)	D. C.	McMahon, Julia Anna (Pre-Leg.)	Ohio
†Kingsbury, Clara S. (Gen.)	D. C.	McMahon, Margaret Helen (Gen.)	Conn.
Kinsey, Louise (Gen.)	Tex.	McMillin, Irene Odessa (Gen.)	Iowa
†Kirkley, D. James (Gen.)	D. C.	McNally, Amy Elizabeth (Gen.)	D. C.
Kirkwood, Jean Caroline (Gen.)	D. C.	McNutt, Agnes Louise (Pre-Med.)	D. C.
Kirsch, Theodore (Pre-Med.)	D. C.	McOscar, Paul Joseph (Gen.)	Ohio
†Knapp, Arnold V. (Pre-Leg.)	N. Y.	McPherson, Julia Virginia (Gen.)	D. C.
Knox, Josephine Hamilton (Gen.)	Va.	†MacDonald, Edward Savage (Gen.)	D. C.
Kohner, Edith M. (Gen.)	D. C.	†MacDonald, Katharine Harriet (Gen.)	D. C.
†Koons, Jessie Bell (Gen.)	D. C.		Md.
†Kraft, Grace Lee (Gen.)	D. C.	MacCoy, Edgar Milton (Gen.)	D. C.
†Kraft, Melvin Lionel (Pre-Leg.)	D. C.	†MacFarlane, James Hunter (Gen.)	D. C.
Kraus, Eugene Leon (Gen.)	D. C.	Madarang, Estanislao Macaraeg (Pre-Ed.)	P. I.
Kremkay, Robert William (Gen.)	D. C.		D. C.
Kriemelmeyer, Arthur (Gen.)	D. C.	Magee, William George (Pre-Med.)	D. C.
Kubel, H. Margaret (Gen.)	D. C.	Magruder, Eleanor C. (Pre-Ed.)	Md.
†Ladd, Niven F. (Gen.)	D. C.	†Mahar, Richard A. (Gen.)	N. Y.
Laforest, Constance (Gen.)	D. C.	Maidlow, Charlotte Frances (Gen.)	D. C.
†Lake, Alton L. (Gen.)	D. C.	Mamaril, Cesarig L. (Gen.)	P. I.
†Lamborn, Charles (Gen.)	R. I.	Manchester, Benjamin (Pre-Med.)	D. C.
Lamore, Alberts Rose (Gen.)	D. C.	Mandy, Arthur Jennings (Pre-Med.)	D. C.
Landers, Edward Hoskins (Gen.)	Md.	Mangawang, Valentin R. (Gen.)	P. I.
†Langley, Lawrence Desales (Gen.)	D. C.	Manning, Edith Miller (Gen.)	D. C.
Larkey, Irving Gilbert (Gen.)	Va.	Marano, Frank Peter (Pre-Leg.)	N. J.
La Roche, Elizabeth Stewart (Gen.)	N. J.	Marche, Esther Marie (Gen.)	Md.
Lauren, Dorothy Anah (Gen.)	D. C.	†Marien, Ben C. (Gen.)	Minn.
Lavice, Bessie Roseline (Gen.)	D. C.	Marlow, Clarence Edward (Gen.)	Md.
†Laws, Billie Evelyn (Gen.)	D. C.	Marlowe, Frederick F. (Gen.)	Ill.
	D. C.	Marquis, Roger Phillips (Gen.)	D. C.

Marshall, John Page (Com.)	D. C.	Munroe, E. Louise (Gen.)	Md
Marshall, Kenneth Glenn (Com.)	D. C.	Murayama, Ken (Gen.)	D. C.
†Marshall, Mary M. (Gen.)	Va.	Murphy, Elliot Munroe (Gen.)	D. C.
Marshman, Esther Weave (Com.)	N. Y.	Murphy, Irene May (Gen.)	D. C.
Martin, M. Lucile (Gen.)	Ill.	†Murray, Marguerite E. (Gen.)	S. C.
Martin, Martha F. (Pre-Leg.)	Ga.	Nance, Josephine Marshall (Gen.)	Vt.
Martinez, Doris Violet (Gen.)	N. Y.	†Nash, Wanda Mary (Gen.)	D. C.
Mason, Elizabeth Arenz (Gen.)	Va.	Nathanson, Sidney (Gen.)	D. C.
†Matthew, Ernest R. (Com.)	D. C.	Neale, John Robertson (Pre-Leg.)	Mo.
May, Herbert (Gen.)	Idaho	†Neff, J. Geary (Gen.)	D. C.
†May, John G. (Gen.)	D. C.	Neick, R. W. (Gen.)	D. C.
May, Lillian Virginia (Gen.)	D. C.	Nelligar, Virginia Harrier (Gen.)	D. C.
May, Stanley G. (Com.)	D. C.	Nelson, Garland H. (Com.)	D. C.
Mays, Margaret (Gen.)	D. C.	Nelson, Manford Edward (Gen.)	Md.
Mealy, Raymond James (Gen.)	D. C.	Newman, Jewel Ernestine (Gen.)	D. C.
†Mechlin, Doris E. (Gen.)	D. C.	Newman, Laurance Gilbert (Gen.)	N. C.
Mecum, Ercell Morton (Bus. Adm.)	D. C.	Newton, Frances Grace (Gen.)	W. Va.
†Medalie, Donn Paul (Gen.)	Ill.	†Nicholson, Daniel E. (Pre-Leg.)	Md.
Medley, Joseph Francis (Pre-Med.)	D. C.	Niess, Dorothy Louise (Gen.)	D. C.
†Mellor, Harry Paul (Gen.)	Md.	Niles, Thomas Kenny (Pre-Leg.)	D. C.
†Meloy, Jean N. (Gen.)	D. C.	†Noble, Mary (Gen.)	D. C.
Menefee, Jane Page (Gen.)	D. C.	†Noble, Stephanie Louise (Gen.)	D. C.
Mennen, Frank Oswald (Gen.)	D. C.	†Nolan, Thomas Agustine (Gen.)	D. C.
Menza, John (Pre-Ed.)	N. J.	Nordlinger, Helen Estelle (Gen.)	Va.
†Merrick, Lavina (Gen.)	Iowa	Norwig, Ernest A. (Gen.)	D. C.
†Merrill, Alwyn Lowe (Gen.)	Idaho	Nutter, Helen Blanche (Gen.)	D. C.
†Mertlick, Evelyn (Gen.)	Wisc.	Nyman, Stephen Hopkins (Gen.)	D. C.
Mess, Anna Agnes (Gen.)	Va.	†Obear, Mildred E. (Gen.)	Iowa
Michaelis, Virginia Helene (Gen.)	D. C.	Oberhaltzer, Alton Victor (Gen.)	Pa.
†Middleton, David Reed (Gen.)	D. C.	O'Brien, Laurence Vernon (Gen.)	D. C.
†Middleton, Frank Henry (Gen.)	Minn.	O'Brien, Thomas Doran (Gen.)	D. C.
Mike, Leula (Gen.)	Ark.	O'Brien, Thomas Margaret V. (Gen.)	D. C.
†Milano, Angelo Fred (Pre-Leg.)	D. C.	Ogus, Alfred (Gen.)	D. C.
Miller, Beatrice R. (Gen.)	D. C.	Olsen, Herbert H. (Pre-Leg.)	D. C.
Miller, Charles Wayne (Gen.)	Va.	O'Neill, John Behrans (Com.)	D. C.
Miller, Florence (Gen.)	D. C.	Oreana, Sol (Pre-Leg.)	N. Y.
Miller, Ray (Gen.)	Md.	Ormsby, Floyd L. V. (Com.)	Va.
Miller, Raymond Herrman (Gen.)	D. C.	Osborn, Martha Louise (Pre-Ed.)	Conn.
†Miller, Robert Mayo (Gen.)	D. C.	†Osborne, Waddell B. (Gen.)	D. C.
Miller, Robert Mitchell, Jr.	D. C.	Ossen, Jay Jack (Pre-Leg.)	Md.
†Miller, Ruth (Gen.)	Va.	Owen, Ethel (Gen.)	D. C.
Miller, Ruth Palmer (Pre-Ed.)	Ohio	Owen, Mary Eleanor (Gen.)	D. C.
Milloff, Jennie (Gen.)	D. C.	Owens, Anna Louise (Gen.)	Md.
Mills, Phyllis Dorothy (Gen.)	Ill.	†Oxenburg, Sylvia Jean (Gen.)	D. C.
Mills, Sarah Louise (Gen.)	D. C.	Pace, Beatrice Goldene (Gen.)	Mich.
†Milne, Robert Francis (Gen.)	Md.	Pagan, Oliver Elwood (Gen.)	Tex.
Mindlin, Lillian (Gen.)	D. C.	Page, Georgia Edith (Gen.)	Md.
Minkin, Sophie Dorothy (Gen.)	D. C.	Page, Margaret Jane (Gen.)	D. C.
Minor, Aubrey Taylor (Pre-Leg.)	Ind.	Painter, Eunice Merle M. (Gen.)	D. C.
Mitchell, Blanche Sarah (Gen.)	Iowa	Palm, Bessie Wells (Gen.)	D. C.
Mitchell, Editha (Gen.)	Md.	Parker, Laurence (Gen.)	Va.
†Mitchell, James Porteous (Bus. Adm.)	D. C.	†Parker, Louise Kathryn (Gen.)	D. C.
†Mitchener, Janie Arscott (Gen.)	D. C.	Pates, William Melvin (Bus. -Adm.)	D. C.
Mooman, Grace N. (Gen.)	Md.	Pearce, Esther (Gen.)	Md.
†Moon, Marjorie (Gen.)	D. C.	Pearson, Olga Agnetta (Gen.)	Ill.
†Mooney, Winston Clark (Gen.)	Md.	†Pearce, William Riggs (Pre-Med.)	D. C.
Moore, Bessie Boynton (Pre-Leg.)	N. Y.	†Pelton, Escellyn Edna (Gen.)	D. C.
†Moore, Dorothy (Gen.)	D. C.	†Pennington, Dorothy Ann (Gen.)	D. C.
Moore, Robert Addison (Gen.)	D. C.	Perlman, Anne Beatrice (Pre-Leg.)	Kans.
Moore, S. Edwin (Gen.)	D. C.	Permut, Jack (Pre-Leg.)	Vt.
Moore, Virginia Lee (Gen.)	D. C.	Plister, Glenda Mae (Gen.)	D. C.
Moorman, Marjorie Mureen (Gen.)	D. C.	†Phelan, Donald William (Gen.)	Md.
Morgan, Norman D. (Gen.)	D. C.	Phelps, Catherine Margaret (Gen.)	Va.
Marlan, Lawrence (Gen.)	D. C.	†Phillips, Charles Emory (Pre-Leg.)	Wisc.
Morlan, Wilson Jesse (Com.)	D. C.	†Pierce, William Radford (Gen.)	D. C.
Montrell, Mary Margaret (Gen.)	Ohio	Pirie, Muriel Alice (Gen.)	D. C.
Morris, Eleanor Virginia (Gen.)	Mont.	Pittle, Herbert (Pre-Leg.)	D. C.
Morris, Laura Belle (Gen.)	Md.	Plassman, Emil Frederick (Com.)	D. C.
†Mosebrook, Stewart W. (Gen.)	Ark.	Plotnick, Jacob (Gen.)	D. C.
Mouden, Marion Alice (Gen.)	Pa.	Polkinhorn, John Henry (Gen.)	N. J.
†Mulhall, Francis Joseph (Gen.)	D. C.	Pollard, Lillie Howard (Gen.)	D. C.
Mullaly, Charles F. (Gen.)	D. C.	Polonitza, Edmund Henry (Pre-Med.)	Iowa
†Mulvey, Frederick (Gen.)	R. I.	Poretzky, Sylvia Mildred (Gen.)	
		†Porter, Claire Raymond (Gen.)	

Porterfield, Dorothy (Gen.)	Ark.	Saunders, Dorothy Agnes (Gen.)	D. C.
Posner, Samuel Irving (Pre-Leg.)	Va.	†Saunders, Walter Allen (Pre-Med.)	D. C.
Potter, Louis Alexander (Gen.)	D. C.	Sawtelle, Matthew T. (Pre-Med.)	D. C.
Preston, Wallace Livingston (Com.)	Mo.	Sawyer, Grace Henrietta (Gen.)	N. C.
Prichard, Catherine Robina (Gen.)	D. C.	Scallan, Aniceta (Gen.)	Iowa
Proctor, Stuart E. (Com.)	D. C.	Schaffert, Thomas Henry (Pre-Leg.)	D. C.
†Proffitt, Edith L. (Gen.)	D. C.	Schlag, Mary Lauretta (Gen.)	D. C.
Prout, Harold (Gen.)	D. C.	Schloss, Toba (Gen.)	D. C.
Protas, Harry (Pre-Med.)	N. Y.	Schmidt, George C. (Pre-Leg.)	W. Va.
†Pulaaki, Maurice Roland (Gen.)	D. C.	†Schmucker, Henry Abia (Gen.)	D. C.
Pumphrey, Lawrence Preston (Pre-Med.)	D. C.	Schneider, Harold (Pre-Med.)	D. C.
Purification, Alfredo Firme (Gen.)	D. C.	Schneider, Mary L. (Gen.)	Iowa
Quarles, Henry (Pre-Ed.)	P. I.	Schooley, Ruth Elizabeth (Gen.)	D. C.
Radue, Fordham Wier (Gen.)	D. C.	†Schoonmaker, John B. (Gen.)	D. C.
Rafael, Tihar E. (Gen.)	D. C.	Schreiner, Caroline Davis (Gen.)	D. C.
Rains, Marion Lee (Gen.)	Hungary	Schurman, Ruth (Gen.)	D. C.
Ralston, Margaret Evelyn (Gen.)	Okla.	Schwarz, Benjamin Klein (Gen.)	D. C.
Ramsburgh, J. Stephen (Com.)	Mass.	Scrivener, Milton E. (Bus. Adm.)	D. C.
†Randall, Ida Virginia (Gen.)	D. C.	†Scully, Muriel Joy	D. C.
†Rankin, Alice J. (Gen.)	D. C.	†Scully, Thomas Francis (Gen.)	Md.
Rappeport, David Albert (Pre-Leg.)	Iowa	Seay, Temple W. (Gen.)	Va.
Rausch, Marguerite Anna (Gen.)	N. J.	†Secord, Louis Francis (Pre-Leg.)	Mich.
Raysor, Josephine (Gen.)	D. C.	†Seltzer, Walter (Gen.)	D. C.
Rees, Elizabeth Ann (Pre-Leg.)	D. C.	Seslowe, Reuben (Pre-Med.)	N. Y.
Reese, Jack D. (Gen.)	Va.	Shaffer, Joseph Crockett (Gen.)	Va.
Reeves, Elizabeth Amelia (Gen.)	Utah	Shapiro, Frank (Pre-Med.)	N. Y.
Reich, Arnold (Gen.)	D. C.	†Shapiro, Kate Lee (Gen.)	D. C.
Reynolds, Betty Veronica (Gen.)	N. Y.	Shapiro, Lee Katherine (Gen.)	D. C.
†Reynolds, George E. S. (Gen.)	D. C.	†Shauk, Ruth E. (Gen.)	Md.
Rhinehart, Walter Leon (Gen.)	D. C.	†Shaw, Edgar M. (Gen.)	D. C.
Rhoades, Marion (Gen.)	D. C.	†Shaw, Mary Geneva (Gen.)	D. C.
†Riddick, Ruth (Gen.)	Va.	Shearer, Ross S. (Com.)	Tex.
Rittershofer, Wilbert (Gen.)	D. C.	Sheldon, William Dubose (Gen.)	D. C.
†Robbins, Vernon Fiske (Gen.)	Md.	†Shelton, Mildred Oral (Pre-Med.)	D. C.
†Roberts, Marian Kent (Gen.)	D. C.	Sherly, Laurence (Gen.)	D. C.
Robertson, Edward (Gen.)	D. C.	Sherly, Raphael (Gen.)	D. C.
Robertson, Thelma Irene (Gen.)	Iowa	Sherrer, Alice Mary (Pre-Ed.)	D. C.
Robeson, J. Myron (Gen.)	Ill.	Shimp, James Harrison (Gen.)	D. C.
†Robinson, Randolph Howard (Pre-Med.)	D. C.	Shipman, William Groves (Gen.)	D. C.
Rogers, Hamilton A. (Pre-Med.)	D. C.	Sholtz, Dorothy (Gen.)	D. C.
Rogers, Marie Elois (Gen.)	W. Va.	†Shore, Jackson Newton (Gen.)	D. C.
Rohleder, Grace I. (Gen.)	Va.	Shostock, Robert (Gen.)	D. C.
Rohrich, George John (Gen.)	D. C.	Shoub, Harry (Pre-Med.)	D. C.
Romhilt, Arthur Carl (Com.)	D. C.	Showman, Fred H. (Gen.)	D. C.
Romig, Clyde Edison (Bus. Adm.)	D. C.	Shull, Francis Marian (Gen.)	Md.
Rose, Elizabeth Whiting (Gen.)	D. C.	Shull, Jean Elizabeth (Gen.)	D. C.
†Rosenberg, Jeannette J. (Gen.)	D. C.	Shurman, Philip (Gen.)	D. C.
†Rosenfeld, Marian Eunice (Gen.)	D. C.	Sigel, Marcella E. (Gen.)	Minn.
†Roskelly, Lillian G. (Gen.)	D. C.	Sigmund, Marjorie (Gen.)	D. C.
†Rothrock, Edward B. (Gen.)	D. C.	Silverman, Augusta (Gen.)	D. C.
†Rowdybush, Jessie (Gen.)	N. Y.	Silverman, Edwin (Gen.)	D. C.
Rubin, Anne Louise (Gen.)	D. C.	Silverman, Gertrude P. (Bus. Adm.)	Md.
†Rudd, Argene Inabell (Gen.)	Md.	Silverman, Meyer (Pre-Med.)	N. Y.
†Rudner, Cecil (Gen.)	D. C.	Sim, Raymond William (Com.)	D. C.
Ruednick, Jo Eileen (Gen.)	D. C.	†Simms, Perry B. (Gen.)	S. C.
Rueliger, Monta Hazel (Gen.)	N. Y.	Simon, Everett (Pre-Leg.)	D. C.
Rullen, Thelma Nasania (Gen.)	D. C.	Simpson, Faust Young (Com.)	Ky.
Ryan, Clement Joseph (Pre-Med.)	D. C.	†Simpson, Joseph Bernard Jr., (Gen.)	D. C.
†Sabarian, Louise F. (Gen.)	Md.	Sinclair, Lee Duree (Pre-Leg.)	S. Dak.
Sacks, Harry (Pre-Med.)	N. Y.	†Sirico, Louis (Pre-Leg.)	N. Y.
Saidman, Rose E. (Gen.)	La.	Sirlouis, Marjorie (Gen.)	D. C.
†St. Clair, Gilbert Lawrence (Gen.)	D. C.	†Skaves, Anne Marguerite (Gen.)	Mass.
Saloman, Robert A. (Gen.)	D. C.	†Skibinski, Chester T. (Gen.)	Mass.
Salomon, Paul Henry (Pre-Leg.)	Va.	Skinner, Frances B. (Gen.)	D. C.
Salisbury, Meyer H. (Gen.)	Mass.	Skinner, Inez M. (Com.)	D. C.
Sanders, Richard Henry (Gen.)	Mo.	†Slaire, Walter J. (Gen.)	Minn.
Sanders, Sarah Elizabeth (Gen.)	Va.	Smart, Thomas (Gen.)	Okla.
Sandridge, Emma Jean (Gen.)	D. C.	Smilgin, Victor Edward (Pre-Med.)	Conn.
Sangster, Harold Lee (Gen.)	S. C.	Smith, A. Leonard (Gen.)	Pa.
Saribay, Teofilo B. (Com.)	Va.	†Smith, Betty S. (Gen.)	D. C.
Saunders, Charles Earle (Com.)	D. C.	Smith, Dorothy Fisher (Gen.)	Va.
	P. I.	Smith, Gladys Mildred (Gen.)	Iowa
	D. C.	Smith, Gordon (Bus. Adm.)	D. C.
		Smith, Guerry R. (Com.)	D. C.

Smith, Horace Wender (Pre-Med.)	D. C.	Udoff, Bessie (Gen.)	D. C.
Smith, John George (Pre-Leg.)	N. Y.	Understein, Jack (Gen.)	D. C.
†Smith, Kenneth Gerry (Gen.)	N. H.	Upton, Catherine A. (Gen.)	Iowa
Smith, Mary Virginia (Gen.)	D. C.	Vallestero, Pastor C. (Gen.)	P. I.
†Smith, Rosa Hughes (Gen.)	Ga.	†Vanderford, Robert Burns (Gen.)	Mo.
Smith, William G. (Spec-Pre-Med.)	Md.	†Van Ness, Robert Colfax (Gen.)	N. J.
Smoot, S. N. (Pre-Leg.)	D. C.	Van Sicklin, Sarah Edith (Gen.)	Pa.
†Snider, Ted Sewell (Com.)	D. C.	Van Slyke, Bertha Marian (Gen.)	D. C.
†Snow, Richard H. (Bus. Adm.)	Mass.	†Vatting, Charlotte (Gen.)	Minn.
†Snowden, John William (Gen.)	D. C.	Vaughan, Thomas Rae (Pre-Leg.)	Ark.
Snyder, Lloyd (Gen.)	Ind.	†Veirs, Leona Evelyn (Gen.)	Md.
†Spenny, Elsie Frances (Gen.)	D. C.	Vilander, Leona Mathilda (Gen.)	Kans.
Spignul, Christine Elizabeth (Gen.)	D. C.	Vincel, Wilhelmina (Gen.)	D. C.
†Spivak, Joseph Harry (Gen.)	Conn.	Vivian, John Taylor (Pre-Med.)	D. C.
Stadden, Mary-Alice (Gen.)	D. C.	Vogt, William Henry (Gen.)	D. C.
Stalcup, Dorothy Debbie (Gen.)	Va.	Vogt, Marion Viola (Gen.)	D. C.
Standley, Evelyn (Gen.)	D. C.	Volkman, Hilda Leone (Gen.)	D. C.
Staten, Howard Rolland (Pre-Med.)	Utah	Waesche, William E. (Pre-Leg.)	Iowa
Steger, Mary Isabelle (Gen.)	D. C.	†Waldinger, David (Pre-Leg.)	D. C.
Stein, Colman Brez (Pre-Leg.)	D. C.	Walford, Alice Mary (Gen.)	D. C.
†Stein, William S., Jr. (Gen.)	Md.	Walker, Helen (Gen.)	D. C.
†Steinhoff, Earle Stack (Gen.)	Iowa	Walker, Vivian Earl (Gen.)	D. C.
Stephenson, E. Alexander (Gen.)	D. C.	Walker, William Warren (Gen.)	Va.
Stiepler, Harold Gordon (Pre-Leg.)	Ind.	†Wallace, Elise Marvel (Gen.)	D. C.
Steuart, Gordon (Bus. Adm.)	Va.	†Wallace, Victor Allison (Gen.)	D. C.
Stevlingson, Edward Christian (Gen.)	Wisc.	†Waltz, Alice O. (Gen.)	S. Dak.
Stewart, Gilbert Vance (Gen.)	Ill.	Wangness, Olene M. (Gen.)	D. C.
Stolar, Hannah Hesse (Gen.)	D. C.	Ward, Lillian Frances (Pre-Leg.)	Holland
Stolar, Myer Harold (Gen.)	D. C.	†Warnaars, Mary A. (Gen.)	Md.
Stone, Lillian Helen (Gen.)	Mass.	Warren, Ruth (Gen.)	Ohio
†Story, Virginia Helen (Gen.)	D. C.	Warwick, Paul E. (Pre-Leg.)	D. C.
Stout, Robert William (Gen.)	Md.	Wassmann, Katherine Mary (Gen.)	Md.
Strauss, Albert James (Pre-Med.)	D. C.	†Waters, Mary Eleanor (Gen.)	D. C.
Strauss, Edward (Pre-Med.)	N. J.	Watkins, Kathleen (Gen.)	D. C.
†Stringfield, Frances E. (Gen.)	Nebr.	Watt, Eleanor Louise (Gen.)	D. C.
Stuart, Richard Franklin (Gen.)	Utah	Weatherly, Julius Earle (Pre-Leg.)	D. C.
Stunkel, Margaret Elizabeth (Gen.)	Va.	Weber, Harry Frederick (Gen.)	N. Y.
Sullivan, Gordon-Hamilton (Com.)	S. Dak.	Webster, Helen Potter (Gen.)	D. C.
*Sullivan, Libbie Louise (Gen.)	D. C.	Wecksler, Abraham N. (Pre-Med.)	W. Va.
Sunderwirth, Leetta Ackley (Gen.)	Okla.	†Weed, Frances Leona (Gen.)	D. C.
Swan, Irene Frances (Gen.)	D. C.	Weinberg, Joseph Harry (Pre-Leg.)	N. Y.
Swartz, Charlene Conner (Gen.)	Va.	Weinstock, David M. (Pre-Med.)	D. C.
Sweeney, Mabel Anne (Gen.)	Va.	†Weir, Sadye Lorena (Gen.)	D. C.
Swick, Helen Marjorie (Gen.)	Md.	Weitzel, Fred Winfield (Pre-Leg.)	Wisc.
Swiger, Layren Kenneth (Pre-Leg.)	W. Va.	Wells, George W. (Com.)	N. J.
Tabinski, Marie Beatrice (Gen.)	D. C.	Wenze, John G. (Com.)	Utah
Taub, Kalman (Pre-Med.)	N. Y.	†West, Wilburn Clyde (Gen.)	D. C.
Taylor, Ancel Newel (Gen.)	Idaho	†Wheatley, William W. (Pre-Med.)	D. C.
Taylor, G. Douglas (Gen.)	Utah	White, Kathryn Elizabeth	Vt.
†Telford, David (Gen.)	D. C.	White, Ruth Oliver (Gen.)	Minn.
Tenney, Robert Innis (Com.)	D. C.	Whitney, Gladys Louise (Gen.)	D. C.
Tepper, Gladys Devera (Gen.)	D. C.	Wigby, Bartley B. (Gen.)	N. Y.
Terry, Robert Lynwood (Pre-Med.)	D. C.	Wilbar, M. Margaret (Gen.)	N. Mex.
Thoenen, Kathryn Elsie (Gen.)	Va.	†Wilcox, Jane Gibbons (Gen.)	W. Va.
Thomas, Gladys Irene P. (Gen.)	Mich.	Wilkerson, William G. (Pre-Leg.)	D. C.
Thompson, George R. (Pre-Leg.)	D. C.	†Wilkes, Eva Hollins (Gen.)	Fla.
Thompson, Virginia Armstead (Gen.)	D. C.	Willier, Henry Ossman (Gen.)	Ill.
Thorne, Louise Clara (Gen.)	D. C.	Willis, Helen Chance (Gen.)	D. C.
Thornton, John Francis (Pre-Med.)	Va.	Wilmot, Lyman Jefferson (Gen.)	D. C.
†Thrift, Gladys Roe (Gen.)	D. C.	Wilson, Charles Richard (Gen.)	Md.
Tilly, Ella P. (Gen.)	D. C.	Wilson, Dorothy Nichols (Gen.)	D. C.
†Timchemko, Boris V. (Gen.)	D. C.	†Wilson, Josephine Eleonora (Gen.)	D. C.
Titman, Jabez Ervin (Com.)	N. J.	Winnik, Irving W. (Pre-Med.)	D. C.
†Townsend, Edward Myers (Pre-Leg.)	Pa.	Winn, Robert Hilary (Pre-Leg.)	Ky.
Troshinski, Theodore H. (Pre-Leg.)	D. C.	†Winn, William White (Com.)	D. C.
†Troth, Doris Shirley (Gen.)	D. C.	Winston, William Dix (Com.)	Conn.
True, Robert Gordon (Gen.)	Utah	Winter, W. Richard (Gen.)	D. C.
Truitt, Lillie May (Gen.)	D. C.	Winters, Harry (Pre-Leg.)	D. C.
Tachiffely, Dolly Ball (Gen.)	D. C.	Witter, George D. (Bus. Adm.)	D. C.
†Tugman, Alfred B. (Gen.)	D. C.	Wolff, Ernest (Gen.)	Ind.
†Turley, Mary Lelia (Pre-Leg.)	D. C.	Wolpe, Nettie Dorothy (Gen.)	Va.
Turner, Paul (Gen.)	Tex.	†Wood, Willis Allen (Gen.)	D. C.
Twining, Vivian Deere (Gen.)	D. C.	Wood, Wilmer Orlando (Gen.)	D. C.
†Tyree, Mary Elizabeth (Gen.)	Va.	Woodside, Iehman F. (Pre-Leg.)	D. C.

†Worrall, Larry Woodward (Gen.)	D. C.	Wyvell, Marion Robertson (Gen.)	D. C.
†Worrell, Barbara Rue (Gen.)	Iowa	Zahn, Malcolm B. (Bus. Adm.)	D. C.
Wright, Nancy Starkey (Gen.)	Va.	Zlotnick, Sidney Somers (Gen.)	D. C.
Wright, Stuart Bradley (Pre-Leg.)	D. C.	Zola, Sam (Pre-Med.)	D. C.

UNCLASSIFIED

†Ahasolo, Calisto C. (Pre-Leg.)	P. I.	†Hurd, C. Judson (Gen.)	D. C.
Aldrich, Helene R. (Gen.)	Ill.	†Jamieson, William E. (Gen.)	Ind.
†Ames, Irineo (Gen.)	P. I.	Keizur, Marques E. (Gen.)	D. C.
†Anderson, Margaret C. (Gen.)	Nebr.	Kennell, C. Raber (Gen.)	Ind.
†Anglin, Elizabeth L. (Gen.)	D. C.	†Kinney, Harriet D. (Com.)	Minn.
†Ard, Lebron (Pre-Med.)	Minn.	Koehne, Helen J. (Gen.)	Md.
Bagwell, Withers I. (Pre-Leg.)	Ala.	†Lacuata, Ariston D. (Gen.)	P. I.
†Balea, Naomi Leo (Gen.)	Va.	†Lannan, John Vincent (Gen.)	Minn.
Binkley, Faith (Gen.)	Tenn.	Lei, Chung Sang (Gen.)	China
Blake, Katharine C. (Gen.)	Fla.	Leslie, Christina M. (Gen.)	D. C.
Blechman, Nelson E. (Gen.)	D. C.	Lexen, Bert Richard (Gen.)	Ariz.
Blyholder, Kathryn (Pre-Leg.)	D. C.	Lipschitz, Samuel (Pre-Med.)	N. Y.
Bowman, Frank L. (Gen.)	Pa.	Little, Indel Roberts (Gen.)	D. C.
†Broward, Elizabeth H. (Gen.)	W. Va.	Lord, Edwin C. E. (Gen.)	D. C.
†Brown, Ford D. (Gen.)	D. C.	†Lowe, Robert Chapin (Pre-Leg.)	N. J.
†Brown, Walter (Gen.)	Fla.	†McCarthy, Evelyn E. (Gen.)	Mont.
†Buckingham, Allen (Com.)	Mo.	McCollum, Andrew J. (Gen.)	D. C.
Busch, Margaret (Gen.)	Ga.	†McKavitt, Matthews A. (Gen.)	Ill.
Buzzard, Harry W. (Pre-Med.)	Va.	†McKoon, Anne Gertrude (Gen.)	D. C.
†Cabreza, Victor (Pre-Leg.)	D. C.	†Magee, David R. (Gen.)	N. J.
†Cannon, Thomas S. (Gen.)	D. C.	Mallory, Margaret (Gen.)	D. C.
†Cantrell, Frank (Gen.)	N. Y.	†Martin, Harry B. (Com.)	W. Va.
†Carey, Edward Albert (Gen.)	P. I.	†Monteith, Mildred (Gen.)	Iowa
†Cavanagh, Rosemary (Gen.)	Md.	†Moore, Evelyn Waters (Gen.)	D. C.
Cluster, Stewart (Pre-Leg.)	Mo.	†Moore, Margaret T. (Gen.)	Va.
Combs, Sarah C. (Gen.)	D. C.	†Morrison, Nesbit (Gen.)	D. C.
Conner, Eugene Reid (Pre-Ed.)	Ill.	Moulden, William R. (Pre-Med.)	D. C.
†Daly, Gladys Mary (Gen.)	Md.	Nagac, Cayetono C. (Gen.)	P. I.
†Darnell, Dorothies M. (Gen.)	Mo.	†Nolan, William R. (Gen.)	D. C.
†Daubin, Meredith M. (Gen.)	Vt.	O'Connor, Margaret E. (Gen.)	D. C.
†Davis, George Wm. (Gen.)	D. C.	†Oman, Clara Agnes (Gen.)	Pa.
Dayton, Elizabeth M. (Gen.)	D. C.	Overholtzer, Paul M. (Gen.)	Calif.
†DesShazo, George (Gen.)	D. C.	Owens, John Warren (Gen.)	Md.
DesPrez, Mary L. (Gen.)	Mo.	Page, Orris C. (Gen.)	D. C.
†Dierbo, John A. (Pre-Leg.)	D. C.	Paice, Clifford A. (Pre-Med.)	Utah
Dickerson, Edgar M. (Pre-Med.)	Ala.	Palmer, John Wm. (Pre-Leg.)	Mo.
†Doig, Marie Brem (Gen.)	D. C.	Parker, Ernest S. (Com.)	D. C.
†Doxiater, Jacob H. (Com.)	D. C.	Paugh, Dorothy A. (Gen.)	D. C.
Dryer, Walter D. (Bus. Adm.)	D. C.	†Payne, R. Elizabeth (Pre-Leg.)	D. C.
Ecker, Emily K. (Gen.)	D. C.	Pendleton, John D. (Gen.)	D. C.
†Ehouse, Theodore Eliot (Gen.)	Wisc.	†Pettijohn, Kenneth (Gen.)	Ind.
Epstein, Richard R. (Gen.)	Ala.	†Quinn, John Loren (Gen.)	D. C.
†Feltz, Kent A. (Gen.)	D. C.	†Quinn, Joseph P. (Gen.)	Md.
†Feowick, Ellen (Gen.)	N. Y.	Rawlings, Fred B. (Gen.)	D. C.
†Freibairn, Willard G. (Gen.)	Pa.	Reibstein, William (Gen.)	N. Y.
Gates, Lester Madson (Gen.)	N. Y.	†Reilly, Michael (Pre-Leg.)	D. C.
Gibson, James Clayton (Gen.)	Mo.	Renninger, Lester O. (Gen.)	D. C.
Green, Ada (Gen.)	Va.	Rice, Gladys (Gen.)	Kans.
†Gronberg, Gordon D. (Gen.)	D. C.	Richards, William N. (Gen.)	D. C.
Grosheintz, Pierre (Gen.)	Okla.	Rissler, Harriette M. (Gen.)	D. C.
†Hamilton, Katherine (Gen.)	Iowa	Roark, Anna Brown (Gen.)	D. C.
Harbour, Marco (Gen.)	Okla.	Robey, Thomas Lee (Gen.)	Md.
Hartnett, Louis W. (Pre-Leg.)	D. C.	Rock, Dorothy V. (Gen.)	D. C.
Horton, Mabel F. (Gen.)	D. C.	Rosett, Ruth (Gen.)	D. C.
†Hendrickson, Dorothy J. (Gen.)	D. C.	Rubin, Herman J. (Gen.)	D. C.
Hicks, George F. (Gen.)	D. C.	Rulloda, Policarpo N. (Gen.)	P. I.
Hilton, Lamar S. (Gen.)	D. C.	Sacasa, Carlos F. (Gen.)	Nicaragua
†Hopkinson, Lawrence T. (Gen.)	S. C.	†Sandberg, Mary J. (Gen.)	D. C.
Huey, Samuel R. (Gen.)	D. C.	†Sankowski, Sophia M. (Pre-Med.)	N. J.
	D. C.	Sannebeck, Frank A. (Com.)	Mo.
	D. C.	†Sargeant, John Page (Gen.)	D. C.
	D. C.	†Sellers, James Milton (Pre-Med.)	W. Va.
	D. C.	†Sommer, Laszlo S. (Pre-Ed.)	D. C.
	D. C.	Steele, Truxton S. (Pre-Med.)	Idaho
	D. C.	Stinnett, George M. (Pre-Leg.)	D. C.
	D. C.	†Szabo, John Basil (Pre-Leg.)	Pa.
	D. C.	†Trimble, Robert Snyder (Gen.)	Md.

Volk, Dorothy D. (Gen.)	Va.	†Wills, Dorothy J. (Gen.)
Wagner, Archie Harold (Pro-Log.)	S. Dak.	Wineberger, Marjorie (Gen.)
Wall, David (Pro-Log.)	D. C.	Winn, Orin West (Gen.)
†Ward, Henry Tayloe (Gen.)	D. C.	Witherow, Grace A. (Com.)
Warren, Ethel Pilson (Gen.)	D. C.	Wood, William E. (Pro-Med.)
Watkins, Dorothy I. (Gen.)	Md.	†Wool, Max Alvin (Gen.)
†Wayland, Francis W. (Gen.)	Va.	†Wright, Betty C. (Gen.)
Wellens, Harry E. (Gen.)	D. C.	†Wunder, Josephine M. (Gen.)
Wells, Billy (Gen.)	Mo.	†Young, Louise V. (Gen.)
Wells, Carl Hunt (Gen.)	D. C.	Yun, Tchi Young (Gen.)
Weltner, Ethel (Com.)	Kans.	Zahn, Arthur D. (Bus. Adm.)
Westbrook, Jean L. (Gen.)	D. C.	†Zemantowski, Mary (Gen.)
†White, Russell R. (Gen.)	Mo.	‡Ziegler, Lea Rue (Gen.)
Wildes, Orville E. (Pro-Log.)	Wisc.	Zucker, Jack Sam (Pro-Log.)
Williams, Esther E. (Gen.)	Md.	

SPECIAL PRE-LEGAL

†Anderson, Bowman C.	Va.	Kennedy, David M.
Blaine, James William	Idaho	†Kerwin, Mary Agnes
†Bryan, Frank Bruce	D. C.	†Knosher, Vernon William
Burnett, Donald Briggs	D. C.	†Kolipinski, Andrew Leopold
†Canney, John O.	Ill.	Korby, Charles
†Clement, Armin G.	Mass.	Lee, Donald E.
Cobbe, Jerome Francis	N. Y.	†Lee, Lewis Nelson
Cohn, Leon	D. C.	Lentz, Lucy Richmond
Conkey, John G.	D. C.	Light, Philip Morton
†Cooper, Ruhl Leroy	W. Va.	Links, George Fitzburgh
†Darling, Ralph E	N. Y.	Littlepage, Thomas Price
†Davies, Charles K.	D. C.	†Livingston, Bernard Albert
†Druke, Edwin J.	Utah	Lloyd, John H.
†Dye, Elden H.	Utah	†McCain, Asa M.
Fankli, Edward Joseph	D. C.	Miller, Lloyd Otto
France, Floyd L.	Nebr.	Mintz, Seymour
Gamble, Mortimer Williams	W. Va.	†Myers, Edward Stephen
†Gentzel, Harry Carl	Pa.	Nelligan, James A.
†Gott, John Gilbert	Pa.	Newton, Benjamin
†Graham, Robert	D. C.	†Osterman, John Gilbert
†Grimdall, Frank Albert	Utah	†Paradis, Henry L.
Hall, Edward Currie	Miss.	†Prior, John Taylor
Hammond, Benjamin	D. C.	Ratcliffe, Sidney M.
Hester, George Carr	D. C.	Roberts, Ralph S.
†Hobbs, Harold Francis	D. C.	†Saltzman, Frank R.
†Hoebrecky, Omer S.	Md.	Stewart, George Emery
†Holmes, Alice Meyer	Md.	†Swope, Edwin Leon
Humphries, Howard Franklin	Md.	Waller, Philip David

SPECIAL PRE-MEDICAL

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Anstine, Clarence L.	Pa.	Lady, Howard R.
Apter, Leonard	Conn.	Leone, Anthony Russell
Baker, Louis S.	N. Mex.	‡Mandel, Hyman Joseph
Beard, R. Dale	Md.	‡Martin, Eugene Maurice
Becker, Joseph Maurice	D. C.	Mason, Jack Wellons
Carey, Sheldon David	Md.	May, Wilbert Richard
Casady, William Robert	D. C.	Meth, Sylvan
Cate, Leah M.	D. C.	Miller, David Archibald
Chaconas, Peter George	D. C.	Mina, Vincent
Cohen, David	D. C.	Neitzey, John Henry
Croer, J. Roscoe	Utah	Oftel, Edouard
Diamond, Herbert H.	D. C.	Opsahl, Harold E.
Dushabek, James Albert	N. Dak.	Perkins, Paul
‡Evans, Norma Belle	D. C.	Raffel, William
‡Fawcett, James Richard	N. C.	Reeves, George William
Foaly, William Thomas	D. C.	Rice, Edwin Tupper
‡Flanagan, Norris Butler	Mass.	Rosenberg, Paul
‡Gieker, Louis W.	N. Y.	Strader, Frank
Hackett, Byron Burr	D. C.	‡Sullivan, Richard T.
Hall, Stanley Wood	D. C.	Suraci, Alfred John
†Halstead, Clark P.	Mo.	Swartout, John Alden
Hartgen, William Edward	Pa.	Terrell, William D.
Heizer, James Howard	D. C.	Torcasio, Gaspar Michael

D. C.
D. C.
Va.
Md.
Utah
D. C.
D. C.
Md.
Va.
Korea
D. C.
D. C.
Pa.
D. C.

Utah
Wisc.
D. C.
D. C.
D. C.
D. C.
Tex.
N. C.
D. C.
D. C.
D. C.
D. C.
Pa.
Ark.
D. C.
D. C.
D. C.
Fla.
N. C.
D. C.
Ohio
Iowa
D. C.
D. C.
D. C.
Utah
N. Mex.
Ind.

D. C.
D. C.
N. Y.
N. Y.
D. C.
D. C.
N. J.
Pa.
Pa.
N. Y.
D. C.
Minn.
Minn.
D. C.
D. C.
D. C.
D. C.
D. C.
Va.
D. C.
D. C.
D. C.
Va.
D. C.

SPECIAL STUDENTS

Aaronson, Fabius Fox	D. C.	Coon, Ethel Louise	D. C.
†Adcock, Francis N.	D. C.	Covaleski, Leo Edward	Pa.
†Adkins, Alfred Carl	Ky.	†Crawford, Doley Elizabeth	D. C.
†Aist, Dudley Clark	Md.	Crawford, Lawrence Carter	D. C.
Allen, Florence J.	Va.	Creighton, Charles Franklin	D. C.
†Allgeier, Addie May	D. C.	Crone, Edith L.	Iowa
†Allison, Samuel Francis	Pa.	†Cross, Mary B.	D. C.
†Allnutt, Ellen D.	Md.	Crouch, David Melvin	D. C.
†Anderson, Ruth E.	Ill.	Darin, Rodolfo Casetta	Italy
†Artz, Lena Clemens	D. C.	†Davis, Finley H.	D. C.
†Auth, Louise Anna	Va.	†Davis, Violet Elizabeth	Va.
Bagby, Adah Louise	D. C.	†Dawson, Sim Isler	D. C.
Baker, Kathleen	D. C.	†Dickinson, E. Lorraine	Wisc.
Baldwin, Carrie Belle	D. C.	Dillon, Mary Regina	D. C.
Banks, Elizabeth Anna	Tex.	†Donogh, Germaine Antoine	Ky.
†Barrow, Ernest Willie	Conn.	†Doran, James Matthew	D. C.
†Bartsch, Signe Gerdrum	D. C.	†Dorr, Anna Kathleen	D. C.
†Belman, Katherine Elinor	D. C.	†Dorset, Lewis W.	D. C.
†Belk, Vida	D. C.	Doyle, Margaret Gratton	D. C.
B.S. 1923, S. Dak. State College	S Dak.	†Dunham, Josephine Drane	D. C.
of A. & M.		†Dunlap, M. Florence	D. C.
Beller, Sadie W.	D. C.	†Dunlop, Sara	Va.
Benjamin, Stanley Gregory	D. C.	†Dunn, William McKee	Va.
Benn, James H.	D. C.	Dye, Miriam Leland	D. C.
Berg, Julia E.	N. Y.	†Ecker, John Beard	D. C.
†Bergholz, Alphonse Rudolph	D. C.	Edelin, Nancy Lee	D. C.
Berryman, Elizabeth B.	D. C.	†Eike, Mary Anne	Va.
A.B. 1917, The George Wash-	D. C.	Ellerbrock, Charlotte M.	Mont.
ington University		Endres, Charlotte Marie	D. C.
Best, S. Jane	Wisc.	Erickson, Emil Theodore	D. C.
†Blystone, Clara Agnes	Kans.	Erwin, Katherine Adelaide	N. C.
†Bobinger, Louise	Md.	A.B. 1915, North Carolina	
†Booley, Anita Wilhelmina	D. C.	College for Women	
†Braddock, Roberta Iola	D. C.	*Eyer, Adah Sarah	Mich.
†Brisker, Eda	D. C.	†Fahy, Margaret Elise	D. C.
Brooke, Carroll E.	D. C.	Farrington, Ada May	D. C.
Brooks, Thomas R.	D. C.	Ferguson, Thomas S.	D. C.
†Brueggeman, William Charles	D. C.	†Fishburn, Fanny D.	D. C.
†Budd, Vera Hayden	Md.	†Fitzgerald, Ruth McCleary	Pa.
Buehler, Laura	D. C.	†Fitzpatrick, Bess Margaret	Mass.
Bunton, Paul B.	D. C.	Flint, Emma Mathilde	Va.
†Burgoon, Eugene	Austria	Forster, Merle	D. C.
Burns, Helen N.	Md.	†Foust, Louise Loetsch	D. C.
†Burtner, Phyllis O.	D. C.	Fowler, Grenville Lewis	D. C.
†Bush, Georgia Pearl	D. C.	Fowler, Robert McSwain	Tex.
†Bush, Margaret C.	D. C.	Fox, Helen	D. C.
Bushong, Edna E.	D. C.	†Foxwell, Theodosia	D. C.
Butte, Woodfin L.	D. C.	Francis, Elsie	D. C.
†Cadel, Inez Louise	D. C.	†Francis, Lyda Mae	D. C.
†Cameron, George Ernest	D. C.	Francisca, Sister Mary	D. C.
†Cantrell, Georgia E.	D. C.	†Frankel, Estelle	D. C.
†Carlton, Grace Derby	Mo.	†Frank, Benjamin Franklin	Va.
†Carpenter, Zelda N.	R. I.	Franklin, Neal D.	Md.
†Carroco, Louis Gerald	D. C.	French, John Alverson	Mass.
Carroll, Helen C.	Md.	French, Marline Ray	D. C.
†Cascy, Walter Charles	D. C.	Gage, Lawrence A.	D. C.
Cavanaugh, Mae	Va.	†Gallery, Robert A.	Md.
†Chamberlain, Carol	D. C.	†Gardella, Wallis Hugh	D. C.
A.B. 1928, University of Wis-	Va.	†Gardner, Allen Howard	D. C.
consin.	D. C.	Gates, Philip W.	Md.
Chasnar, Louise	D. C.	Gibson, Berenice Eleanore	Ill.
†Cissel, Margaret E.	D. C.	Gilman, Robert B.	D. C.
Clark, William Nelson	D. C.	Glover, Thomas	D. C.
Clarke, Elizabeth M.	Tex.	Gochenour, Alma Laura	D. C.
†Cleven, Helen V.	D. C.	†Goebel, Pauline Elizabeth	D. C.
†Clifford, William Henry	D. C.	†Goldman, Benjamin	D. C.
Cline, Virginia	D. C.	A.B. 1929, George Washington	
Coggeshall, Dorothy	Va.	University	
Conry, Edith Margaret	D. C.	†Goodridge, Laurence Mason	Mass.
Conidine, Robert Bernard	D. C.	Grauman, Raymond L.	Va.
†Conway, Virginia Holland	D. C.	†Gray, Joseph Edward	D. C.
	D. C.	B.S. 1927, George Washington	
	D. C.	University	
		†Gray, Walter Thomas	Mont.

Grove, Selbie Denton	Mich.	Kline, John Reed	D. C.
Guernsey, Lillian A.	Va.	Knappen, Phoebe Malura	D. C.
†Gurley, Madge	D. C.	A.B. 1925, George Washington	Va.
†Gusin, Dorothy	D. C.	University	Pa.
†Gustavson, Z. Selma Maria	N. Y.	†Knauff, Julia Anne	D. C.
Haas, John D.	Va.	†Knoebel, S. Arlene	Pa.
Hajna, Anthony A.	D. C.	Kuchera, Anna R.	D. C.
†Haley, Gilbert Fant	D. C.	Kuperstein, Israel Joseph	D. C.
†Hall, Alice Anne	D. C.	Lafitte, Leonore Marie	N. Y.
Hall, Rose C.	Va.	Lahti, Ruth Virginia	Conn.
†Hall, William Dolliff	D. C.	†Lam, Kwam	D. C.
Hammond, Agnes R.	D. C.	Lawrence, Helen B.	Va.
†Hancock, John	Ill.	Layton, Frances	Va.
Hanley, Alice	D. C.	†Leap, Melvin Leroy	W. Va.
Hanway, Hannah Jane	D. C.	†Lear, Howard Bird	D. C.
†Harrell, Rudolph T.	D. C.	Levy, Harold	Md.
Harrington, Dorothy Neil	D. C.	Lewis, Dorothea J.	D. C.
Harris, Lester Wilber	D. C.	†Lewis, Katherine	D. C.
Haslacker, Flora Virginia	D. C.	†Lupshutz, Ruth	N. Y.
†Heath, Mary K.	Ind.	†Longley, Preston Brooks	D. C.
Heller, Hayes Francis	Pa.	†Lorch, Arthur R.	D. C.
†Henderson, Eleanor Florence	D. C.	†McCarthy, Mabel Frances	D. C.
†Hendricks, Walter Anton	Wisc.	McCauley, Irma Gertrude	Mo.
A.B. 1929, George Washington		McGarry, Elizabeth Kathryn	Miss.
University		McGrath, Cecelia T.	D. C.
†Hensley, Derwood J.	D. C.	†McIntire, Effie Caroline	D. C.
†Hickman, Mina	D. C.	†McIntosh, Samuel W.	D. C.
Hicks, John Ashton	Va.	†McKee, Amo Leona	Calif.
†Hicks, Marjorie E.	D. C.	†McPherson, Jessie F.	D. C.
A.B. 1927, George Washington		†McQueary, Katherine Ellen	D. C.
University		†McReynolds, Jessie B.	D. C.
Hilton, George Pike	D. C.	McSherry, Elizabeth Jones	Va.
Hofateater, Howard Tracy	Ala.	†Mackenzie, Marion Hinton	D. C.
†Horgan, Mrs. Joseph	D. C.	†MacMahon, Jessie D.	Mo.
†Howenstein, Ralph	D. C.	†Maginnis, Catherine Eleanor	D. C.
Hubbard, Donald	Fla.	†Mallory, Joe A.	Calif.
B.S. 1923, University of Florida		Manship, Frances Petty	D. C.
M.S. 1924, University of Florida		†Mar, Howard	S. Dak.
Hunt, Thelma	Md.	†Marsden, A. R. J.	D. C.
A.B. 1924, George Washington		†Marsh, Charles D.	D. C.
University		Mattingly, Leonard Howard	D. C.
A.M. 1925, George Washington		†Mattox, Virginia A.	D. C.
University		Meenehan, Marie	D. C.
Ph.D. 1927, George Washington		†Mellichampe, Susanne Stevenson	D. C.
University		†Menzel, Robert H.	Ill.
†Isleman, Gladys M.	D. C.	Messick, Eleanor Ann	D. C.
A.B. 1926, George Washington		†Meyer, Ralph G.	Pa.
University		Miley, Ruth	D. C.
Jackson, William Harrison	Va.	Miller, Charlotte	D. C.
B.S. 1911, Virginia Polytechnic		†Mills, Alden Brewster	D. C.
Institute		A.B. 1926, Reed College	Mo.
†Jacobs, Eva L.	Nebr.	Moffat, Henry V.	D. C.
Jaeger, Bertha G.	D. C.	Moncure, Jack A.	D. C.
†Jamieson, Elizabeth C.	D. C.	†Moore, Roger Daniel	D. C.
A.B. 1928, George Washington		†Morgan, Mabel F.	Va.
University		Morris, Evelyn A.	Mo.
†Jarvis, Richard Edwin	D. C.	Morrison, Alice S.	Iowa
Jelly, Norman Thomas	Va.	Morrison, Ann Elizabeth	Mass.
Jenspersen, Anna	S. Dak.	†Morrison, Jean Neville	Va.
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†Jones, Cornelia F.	D. C.	†Nash, Charles Matthews	D. C.
Jones, Pearl Margaret	D. C.	†Nash, Harriet E.	D. C.
†Jutz, Edward Joseph	Mo.	†Nelson, Eleanor C.	
Kahler, Armin Adolphus	D. C.	†Newell, John M.	
†Kandel, Goldie	D. C.	†Newton, Helen	
Keefe, Clara Louise	D. C.	A.B. 1924, George Washing-	D. C.
Kelton, Edith R. W.	D. C.	ton University	D. C.
Kern, Edith Kingman	D. C.	Nichols, Maude Evangeline	R. I.
Kerns, William E.	Va.	Niles, Mabel Y.	D. C.
Kerwin, Charles Henry	D. C.	†Oakley, Chester Arthur	D. C.
†Kested, Mildred	N. Y.	†Olney, Alice Curtis	
King, Ethel W.	Va.	Omwake, Mildred E.	

†Woods, L. E.
 †Woodward, Helen
 B.S. 1926, George Washington
 University
 †Wormser, Hazel
 A.B. 1928, George Washington
 University
 †Youngue, N. E.

Mich. †Young, Esther
 D. C. Young, Grace V.
 A.B. 1927, George Washington
 University
 D. C. Yung-Kwai, Burnham
 †Zalesak, Emanuel Francis
 Zandonini, Elizabeth Margaret
 S. C.

Pa.
 D. C.
 D. C.
 D. C.
 D. C.

AUDITORS

†Ahumada, Raquel
 †Andersen, Oskar
 †Bamberg, Anne
 †Carter, Audrey Virginia
 †Casey, Helena
 †Cooper, Corinne
 Cornell, Edward W.
 †Davis, Catherine M.
 †Earnest, Marie J. P.
 †English, Katherine Alicia
 Forsyth, Katharine
 †Gardner, Margaret Mary
 †Grewe, Emily
 †Gullet, John S.
 †Hanks, Clementine
 †Harvey, Dorothy H.
 †Heller, Harry
 Heston, Beatrice M.
 †Hill, Mrs. I. W.
 †Horne, Everett B.
 Hurson, Mary V.
 †Jennings, John Harold
 †Jordan, George C.
 †Kauffman, Annette M.
 †Kaufman, Virginia
 †Kim, Chong Chul
 †Klotz, Alma Marie
 †Lansky, Virginia
 †Linebarger, Lillian

Chile †Meyer, Ella Jane
 D. C. †Nichols, Eva
 D. C. Ogilby, Randolph
 D. C. Ogas, Sara
 D. C. Popkins, G. Ross
 D. C. †Porter, Louis
 D. C. †Ryan, Josephine
 D. C. †Sagell, Ella Helene
 D. C. †Shere, Lottie Edith
 D. C. Shipley, Oliver Martin
 D. C. †Shute, Augusta Pettigrew
 D. C. †Smith, Elizabeth D.
 Minn. †Stewart, Dorothy G.
 D. C. †Sullaway, Elizabeth
 D. C. †Tytus, Mildred M.
 D. C. †West, Birne T.
 D. C. †West, Mattie R.
 England †Willcox, Jane A.
 D. C. †Willcox, Caroline Dodge
 N. Mex. †Wilson, Martha
 D. C. †Wilson, Thomas Richard
 B.S. 1922, University of Cali-
 fornia
 Calif. B.F.S. 1923, Georgetown Uni-
 D. C. versity
 D. C. A.M. 1924, George Washington
 Korea University
 D. C. †Youngman, Emma Porter
 D. C.

D. C.
 Calif.
 Md.
 D. C.
 D. C.
 D. C.
 Ill.
 Germany
 D. C.
 Md.
 D. C.
 D. C.
 N. Y.
 Vi.
 Mass.
 D. C.
 Mass.
 D. C.
 D. C.
 Pa.

BACHELOR OF SCIENCE

SENIORS

Alpher, Robert
 Barnum, Glenn L.
 Battle, Richard
 Byers, J. Harold
 Cuvillier, Eugenia
 Goodall, Alfred Burrows
 Hefty, Virginia
 Hutton, Harry Theodore
 Kettering, James H.

D. C. Leighy, Marjorie Theodora
 D. C. McNally, Edward H.
 Va. Mutchler, Willard Hammond
 D. C. Nelson, Reuben Andrew
 D. C. Nichols, Helen Crockett
 D. C. Powell, James Emerson
 Md. VanHeuckeroth, Arthur Wm.
 D. C. Woolman, Solomon
 D. C.

D. C.
 D. C.
 Calif.
 D. C.
 Va.
 D. C.
 N. Y.

JUNIORS

†Ackerman, Rolland Frederick
 Alley, Marion Smith
 Betikofer, Wilfred Alvin
 Bluehdorn, William R.
 Carleton, Raymond Broward
 Clark, Hugh K.
 Cohn, Robert
 Criswell, Willard
 †Fishel, Vinton
 Goldsmith, Harry
 Hart, William James

Iowa Horner, Charles Kenneth
 Md. Kennedy, William B.
 D. C. Martin, Herbert L.
 Conn. Mayo, Alice Middleton
 N. C. †Mendes, Angel M.
 Va. †Pitts, Jack Dickson
 D. C. Ready, Daniel
 D. C. Roe, Edward Thomas
 Ill. †Saunders, Aliene Constance
 Pa. Tudor, Clinton Carroll
 D. C. Yoast, Clyde W.

Va.
 Va.
 D. C.
 D. C.
 Ga.
 D. C.
 Va.
 Colo.
 D. C.
 Neb.

†Angier, James F.
 Bernstein, Rena
 Bonner, Anna Louise
 Creitz, E. Carroll
 Detwiler, Samuel B.
 England, Joseph L.
 Goldberg, Herman
 Hufnagel, Charles Fred
 Irving, George W.
 Krajci, Samuel
 LaMoete, Angel G.
 McIlhenny, James H.
 Metro, Francis Greenberry
 Remley, Ralph Day
 Renfro, George Ellis
 Riecks, Charles Benjamin

Ahlgren, Charles David
 †Alexander, Roy W.
 Atterberry, Phil Russell
 Bair, Dorothy Ruth
 Bellou, Langdon H.
 Barron, Harry Alvin
 Buckley, Richard Randolph
 Case, Clifford Luther
 Chipman, Robert Benjamin
 Clark, Austin B. J.
 Clark, Harry L.
 Cooper, Claude Everett
 Cooper, Everett Claude
 Creitz, Ellis E.
 Criss, Charles G.
 Crittenden, Marjorie
 Cunningham, David
 Custer, Jonathan Henry
 Davidson, Lester Gilbert
 Davis, Ruth Marjorie
 †Diller, Charles Carvel
 Dulay, Valentin Diaz
 Durand, Robert Yale
 Dyar, Douglas
 Eberle, Charles Clinton
 Eccleston, William E.
 †Fisher, Harry William
 †Goldberg, Ben
 Gordon, Charles Lewis
 Grosvenor, Edith E.
 Gumpf, Ralph Emile
 Harrison, Louis Pincus
 Hunt, Charles M.
 Kahler, Elizabeth Virginia
 Kelly, Jean S.
 King, H. Kendall
 Knoop, Victor
 Kotz, Ise H.
 †Krenkau, George Alexander
 Kretschman, Charles Monroe
 Kubelzisz, Albert Joseph
 †Levy, Stanley A.
 Lewis, Alexander

Clabough, Wilbur
 Coltharp, William Fraser
 Cubero, Espiridion
 Davis, Bryant H.
 Dennis, Robert E.
 Eggenschwiler, Charles E.
 Graf, Clarence M.
 Graf, Theodore R.
 Haupt, Ralph Freeman
 †Horton, Philip K.
 Hueter, Harry Joseph

SOPHOMORES

Md. Rucker, Elmer Parks
 D. C. †Rudes, Albert J.
 Md. Schricker, John Adams
 Kans. Scribner, Bourdon Francis
 Va. Smitskamp, Gerhard F.
 D. C. Suescum, Timothy
 Md. Summerville, Wayne Leslie
 D. C. †Surd, William L.
 D. C. Taylor, Malcolm
 Ill. Tremearne, Thomas H.
 P. I. Vogt, Albert James
 Pa. Webb, Dorothy Elizabeth
 D. C. Webner, Gordon
 D. C. Welch, John Calvert
 D. C. Whittaker, Gerald C.
 D. C. Wilhelm, George Raymond

FRESHMEN

Md. Lewis, Thomas W.
 Ohio †Link, J. Harold
 Mo. †Lowe, Charles Samuel
 D. C. †McIntyre, William M.
 Pa. MacNeil, F. Stearns
 Md. †Malmberg, Cyrus G.
 Va. †Martin, Ovid Harold
 Va. Milliken, Kenneth Augustus
 D. C. Minor, Francis W.
 D. C. Mooney, Robert
 D. C. Morris, Herman Jackson
 D. C. Murray, David D.
 D. C. Painter, Ellen Venable
 Kans. Paisley, Jack Newton
 D. C. Parsons, Donald Johnson
 D. C. †Paterson, Ellen M.
 D. C. Phillips, Mary Alice
 D. C. Price, Eugene J.
 Nebr. Roche, William Alfred
 Md. Salica, Michael
 D. C. †Schneider, Aurel Frederick
 Pa. Schopmeyer, Clifford S.
 N. C. Schutz, Joseph Willard
 D. C. Segal, Stanley Marvin
 Md. †Shepherd, Harry Lewis
 N. Y. †Smith, Paul C.
 Va. †Sprinkle, Wilfred Barton
 Iowa Stimson, Jesse Leroy
 Mass. Stone, Gordon Oliver
 D. C. Storey, Arthur
 Ala. Street, John Ellsworth
 Mass. Sturtevant, Winfred Lyle
 D. C. Taylor, John Keenan
 D. C. Taylor, Zachary
 Va. Thaden, Charles Alvin
 Va. Thomas, David Scott
 D. C. Trantham, Forest F.
 Md. Waltemyer, Claude Monroe
 D. C. Ward, James F.
 Pa. Weaver, Etta
 Pa. Weirich, John Shaffer
 D. C. †Wolford, Mary George
 D. C. Wolpe, Anne

UNCLASSIFIED

Okla. Jansen, Eugene F.
 Okla. †Kelly, Margaret G.
 P. I. Kinser, Charles Alvin
 D. C. †McGill, Harry Earl
 Ohio Nelson, Elmer Rowe
 Ohio †Speaks, Clarence W.
 D. C. †Walkup, Hunter Houston
 Iowa Wall, John F.
 Kans. Wright, Ernest Raymond
 D. C. Wright, Willard Hull
 D. C.

Va.
 Va.
 N. H.
 D. C.
 D. C.
 Ecuador
 Pa.
 N. J.
 D. C.
 Md.
 Mo.
 D. C.
 Ill.
 Pa.
 D. C.
 D. C.

D. C.
 Md.
 W. Va.
 D. C.
 Va.
 Md.
 Okla.
 Me.
 Iowa
 Mont.
 Okla.
 Va.
 Va.
 Kans.
 D. C.
 D. C.
 Md.
 D. C.
 D. C.
 N. Y.
 D. C.
 Va.
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 Kans.
 Md.
 N. Y.
 D. C.
 D. C.
 D. C.
 D. C.
 Mass.
 D. C.
 Va.
 D. C.
 D. C.

Minn.
 D. C.
 Okla.
 N. J.
 Colo.
 Okla.
 Ark.
 D. C.
 S. Dak.
 Ohio

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

CANDIDATES FOR DEGREES

The degree for which the student is a candidate is given in parentheses following the name.

Achstetter, Joseph Charles (A.M.) A.B. 1929, The George Washington University; <i>Major: Economics</i>	D. C.	Babcock, Ruth Somers (A.M.) A.B. 1929, The George Washington University; <i>Major: Psychology</i>	N. J.
†Acree, Ellen Gray (A.M.) A.B. 1926, University of Richmond (Westhampton College) <i>Major: Zoology</i>	Va.	Back, Goldie (A.M.) B.S. 1921, University of Pennsylvania; <i>Major: Mathematics</i>	Pa.
Aiken, Carolyn (A.M.) A.B. 1922, The George Washington University; <i>Major: Spanish</i>	Tenn.	†Bane, Vivian Dee (A.M.) A.B. 1928, The George Washington University; <i>Major: Psychology</i>	D. C.
Alburger, Harry Allyn (A.M.) B.S. 1927, The George Washington University; <i>Major: Mathematics</i>	D. C.	Barbella, Nicholas George (M.S.) A.B. 1923, The George Washington University; <i>Major: Chemistry</i>	D. C.
Alderson, Wroe (A.M.) A.B. 1927, The George Washington University; <i>Major: Economics</i>	Wash.	Barnes, Jesse Wright (Ph.D.) A.B. 1917, University of California; M.S. 1922, The George Washington University; <i>Major: Chemistry</i>	Calif.
Alicata, Joseph E. (Ph.D.) A.B. 1927, Grand Island College; A.M. 1928, Northwestern University; <i>Major: Zoology</i>	Nebr.	Barrows, Vinnie Giffen (A.M.) A.B. 1906, Pomona College; <i>Major: Psychology</i>	D. C.
Almer, Hilding E. (A.M.) A.B. 1923, Gustavus Adolphus College; <i>Major: Physics</i>	Minn.	Barrows, Wendell Parsons (A.M.) B.S. 1919, Tufts University; <i>Major: Chemistry</i>	D. C.
Ambrasi, Mary L. (A.M.) A.B. 1924, The George Washington University; <i>Major: History</i>	Md.	Barwick, Charles Frank (Ph.D.) A.B. 1926, University of Oklahoma; A.M. 1923, University of Oklahoma; <i>Major: Political Science</i>	Okla.
Angelico, Bernice R. (A.M.) A.B. 1921, The George Washington University; <i>Major: English</i>	D. C.	Basil, John Leslie (A.M.) A.B. 1929, St. John's College; <i>Major: Chemistry</i>	Md.
†Appich, Eleanor L. (A.M.) A.B. 1923, The George Washington University; <i>Major: History</i>	D. C.	Batschelet, Clarence Edmund (Ph.D.) A.B. 1912, Franklin and Marshall College; A.M. 1926, The George Washington University; <i>Major: Geography</i>	Pa.
Appleby, Lucile Drummond (Ph.D.) A.B. 1927, The George Washington University; A.M. 1929, The George Washington University; <i>Major: English</i>	Md.	†Baumgarten, Dorothy May (A.M.) A.B. 1928, The George Washington University; <i>Major: English</i>	D. C.
†April, Benjamin (A.M.) B.S. 1929, University of Virginia; <i>Major: English</i>	D. C.	Bayne, Hazel Mae (A.M.) A.B. 1925, The George Washington University; <i>Major: English</i>	D. C.
Arnaud, Elaine Pauline (A.M.) A.B. 1927, Cornell University; <i>Major: Geology</i>	Wisc.	Bealer, Carter Newman (A.M.) A.B. 1927, The George Washington University; <i>Major: English</i>	D. C.
Atchison, Margaret (A.M.) A.B. 1926, The George Washington University; <i>Major: History</i>	D. C.	†Beaver, Anna Fay (A.M.) A.B. 1927, Bucknell University; <i>Major: Political Science</i>	Md.
Aud, Constance R. (A.M.) A.B. 1929, The George Washington University; <i>Major: Romance Languages</i>	Md.	†Beck, Marjorie Saxton (A.M.) A.B. 1927, The George Washington University; <i>Major: French</i>	Wash.
Babcock, Henry Allen (A.M.) A.B. 1929, Arkansas College; <i>Major: Political Science</i>	Ark.	Beek, John, Jr. (M.S.) B.S. 1927, University of Washington; <i>Major: Chemistry</i>	

- †Bekkedahl, Norman (M.S.)
B.S. 1925, University of Minnesota; *Major: Chemistry*
- Bever, Ellis Dorwin (A.M.)
A.B. 1929, The George Washington University; *Major: Economics*
- †Binkley, Charles H. (A.M.)
A.B. 1928, Stanford University; *Major: Chemistry*
- Blaine, Raymond L. (A.M.)
A.B. 1928, Gustavus Adolphus College; *Major: Chemistry*
- Blythe, John H. (A.M.)
A.B. 1926, The George Washington University; *Major: Mathematics*
- Booth, Eleanor Dewees (A.M.)
A.B. 1915, H. Sophie Newcomb Memorial College; *Major: Mathematics*
- Borden, Hazel A. (M.S.)
A.B. 1926, The George Washington University; *Major: Geology*
- †Boyce, Donald H. (A.M.)
B.S. 1929, Syracuse University; *Major: Chemistry*
- Bozovich, John (A.M.)
B.S. 1929, The George Washington University; *Major: Zoology*
- Brabson, George Dana (A.M.)
A.B. 1916, University of Tennessee; *Major: History*
- Bradt, Paul (A.M.)
A.B. 1927, University of Indiana; *Major: Mathematics*
- Brewer, Charles M. (Ph.D.)
B.S. 1923, University of Maryland; M.S. 1924, University of Maryland; *Major: Bacteriology*
- Briant, Raymond Clare (A.M.)
B.S. 1926, Lafayette College; *Major: Mathematics*
- Brown, Carey W. (A.M.)
A.B. 1929, The George Washington University; *Major: Romance Languages*
- Brunauer, Stephen (Ph.D.)
A.B. 1925, Columbia University; M.S. 1929, The George Washington University; *Major: Chemistry*
- Brunschwig, Lily (A.M.)
A.B. 1927, The George Washington University; *Major: Psychology*
- Buchalter, Helen (A.M.)
A.B. 1923, The George Washington University; *Major: History*
- †Buchsteiner, Margaret E. (A.M.)
A.B. 1926, The George Washington University; *Major: Spanish*
- Bundrick, Harriet Ellen (A.M.)
A.B. 1926, The George Washington University; *Major: Geology*
- Bundy, Emory Edwin (A.M.)
A.B. 1927, Whitman College; *Major: Economics*
- D. C. †Burd, Pauline Babp. (A.M.)
A.B. 1923, The George Washington University; *Major: Political Science*
- Kans. †Burke, Frank (A.M.)
A.B. 1923, Catholic University; *Major: History*
- Calif. Burritt, Loren (M.S.)
A.B. 1927, The George Washington University; *Major: Chemistry*
- Minn. †Burruss, Charles Carroll (A.M.)
A.B. 1925, Randolph-Macon; *Major: English*
- Ky. Burton, John Oliver (M.S.)
B.S. 1927, Hamline University; *Major: Chemistry*
- D. C. †Campbell, Myrtle (A.M.)
A.B. 1929, The George Washington University; *Major: English*
- Mass. Cannon, Warren H. (A.M.)
A.B. 1929, University of Utah; *Major: Chemistry*
- N. Y. †Carrico, Charles Author (A.M.)
A.B. 1928, The George Washington University; *Major: History*
- D. C. Carroll, Zata Viletta (A.M.)
A.B. 1928, The George Washington University; *Major: History*
- Tenn. †Carter, Elizabeth M. (A.M.)
A.B. 1927, The George Washington University; *Major: Economics*
- Ind. †Castleman, Frances F. (A.M.)
A.B. 1926, The George Washington University; *Major: Physics*
- Md. †Chace, Olive (A.M.)
A.B. 1928, The George Washington University; *Major: Political Science*
- D. C. †Chapin, Margaret D. (A.M.)
A.B. 1928, Westhampton College; *Major: English*
- N. C. Chase, William David (Ph.D.)
A.B. 1925, The George Washington University; M.S. 1927, The George Washington University; *Major: Chemistry*
- D. C. Cheatham, Harriet O'Neill (A.M.)
A.B. 1925, Winthrop College; *Major: History*
- D. C. Chitwood, Benjamin G. (Ph.D.)
A.B. 1928, Rice Institute; M.S. The George Washington University; *Major: Zoology*
- D. C. Christian, Corinne C. (A.M.)
A.B. 1929, The George Washington University; *Major: Geology*
- Mich. †Christie, Jesse Roy (Ph.D.)
B.S. 1914, University of Kentucky; M.S. 1918, University of Illinois; *Major: Zoology*
- D. C. Clark, Kenneth Gross (Ph.D.)
B.S. 1920, University of Pittsburgh; C.E. 1923, University of Pittsburgh; M.S. 1927, The George Washington University; *Major: Chemistry*
- Wash.
- Md. W. Va. D. C. Md. Minn. Ala. Utah D. C. Pa. Tex. Va. Md. D. C. D. C. S. C. D. C. La. Va. N. Y.

- Clark, Marjorie Mothershead (A.M.) D. C.
A.B. 1927, The George Washington University; Major: English
- Clough, Adelaide Crane (A.M.) Md.
A.B. 1926, The George Washington University; Major: History
- †Coffin, Martha J. (A.M.) Ind.
A.B. 1924, The George Washington University; Major: English
- Cole, Mary Josephine (Mrs.) (A.M.) D. C.
A.B. 1927, The George Washington University; Major: English
- Connolly, Helen L. C. (A.M.) Mass
A.B. 1928, The George Washington University; Major: Anthropology
- †Cook, Charles Morris (A.M.) D. C.
A.B. 1926, The George Washington University; Major: Economics
- †Cornish, W. A. (A.M.) D. C.
B.Litt. 1924, Columbia University; Major: Psychology
- †Corpening, H. C. (A.M.) N. C.
A.B. 1922, University of North Carolina; Major: Sociology
- Cottam, Clarence (Ph.D.) Utah
B.S. 1926, Brigham Young University; M.S. 1927, Brigham Young University; Major: Zoology
- †Couture, Mildred L. (A.M.) N. H.
A.B. 1924, The George Washington University; Major: Philosophy
- Craft, Harold Albert (M.S.) D. C.
B.S. 1926, Pennsylvania State College; Major: Chemistry
- Cullen, John Paul (A.M.) Wisc.
A.B. 1928, The George Washington University; Major: English
- Curtis, Westley Farnsworth (A.M.) Colo.
A.B. 1928, Colorado College; Major: Physics
- †Dallmeyer, Ethel Romaine (A.M.) Pa.
A.B. 1928, Hood College; Major: Mathematics
- Danielson, Wayne H. (M.S.) Nebr.
B.S. 1928, Nebraska State Teachers College; Major: Chemistry
- †Daum, Arnold Roy (A.M.) D. C.
B.S. 1929, Northwestern University; Major: English
- Day, Katherine Susanne (A.M.) D. C.
A.B. 1929, The George Washington University; Major: History
- Day, Sara Milligan (A.M.) D. C.
A.B. 1929, The George Washington University; Major: Economics
- †Dearing, Charles L. (A.M.) N. Mex.
A.B. 1929, The George Washington University; Major: Economics
- Dekay, Elizabeth Mary (A.M.) Va.
A.B. 1929, The George Washington University; Major: History
- Dell, Julian Peter, Jr. (A.M.) Ga.
Ph.B. 1929, Emory University; Major: Political Science
- †Denning, Julia Lee (A.M.) D. C.
A.B. 1929, The George Washington University; Major: Psychology
- †Denoyer, Muriel (A.M.) Ill.
B.S. 1926, Northwestern; Major: Mathematics
- Dick, Frederick F. (Ph.D.) N. Y.
B.S. 1925, The George Washington University; M.S. 1927, The George Washington University; Major: Chemistry
- Dickens, Paul Dewitt (Ph.D.) Ohio
A.B. 1922, Hiram College; A.M. 1927, The George Washington University; Major: Economics
- †Dickert, Rebecca (A.M.) Va.
B.S. 1929, Fredericksburg State Teachers College; Major: French
- Dickinson, Frances Watson (A.M.) N. C.
B.S. 1926, North Carolina College; Major: Home Economics
- Dill, Richard S. (A.M.) N. C.
B.S. 1923, North Carolina State College of Agriculture and Engineering; Major: Mathematics
- Doctor, Powrie Vaux (A.M.) Kans.
A.B. 1928, University of Kansas; Major: Political Science
- †Dougherty, Dorothy Alice (A.M.) D. C.
A.B. 1926, The George Washington University; Major: Economics
- Drewry, Elizabeth Belle (A.M.) D. C.
A.B. 1929, The George Washington University; Major: History
- Driscoll, Stephen John (A.M.) Mass.
A.B. 1928, The George Washington University; Major: Botany
- †Dunlap, Walter Hanna (A.M.) D. C.
B.S. 1906, Washington and Lee; Major: (Economics-Statistics)
- Dutton, Margaret Gaddis (A.M.) D. C.
A.B. 1920, The George Washington University; Major: History
- Dyer, Helen Marie (Ph.D.) D. C.
A.B. 1917, Goucher College; M.S. 1929, The George Washington University; Major: Bio-Chemistry
- Eaton, Claribel Ruth (A.M.) Calif.
A.B. 1929, American University; Major: English
- Edge, Richard (A.M.) Wisc.
B.S. 1928, University of Oregon; Major: Chemistry
- Edwards, Ira (Ph.D.)
B.S. 1913, University of Rochester; M.S. 1914, University of Rochester; Major: Geology
- †Eichner, Mildred Von Eiff (A.M.) D. C.
A.B. 1924, The George Washington University; Major: History

- Eickhoff, Arnold J. (A.M.)
B.S. 1927, University of Arizona; *Major: Chemistry*
- Elgin, Ruth St. C. (A.M.)
A.B. 1924, The George Washington University; *Major: History*
- Eliason, Howard R. (A.M.)
A.B. 1929, The George Washington University; *Major: Commerce*
- Emery, Alden H. (Ph.D.)
A.B. 1922, Oberlin College; A.M. 1923, Ohio State University; *Major: Geology*
- Espinosa, Jose E. (A.M.)
A.B. 1929, The George Washington University; *Major: Spanish*
- Evans, William Ellsworth (Ph.D.)
B.S. 1929, The George Washington University; M.S. 1929, The George Washington University; *Major: Chemistry*
- †Everett, Hugh, Jr. (A.M.)
B.S. 1927, The George Washington University; *Major: Economics*
- †Ewers, Alys H. (A.M.)
A.B. 1927, The George Washington University; *Major: Psychology*
- Ewin, Mary (A.M.)
A.B. 1928, The George Washington University; *Major: Mathematics*
- †Faria, Zella Beatrice (A.M.)
A.B. 1923, Baylor University; *Major: English*
- †Farrel, Agnes M. (A.M.)
A.B. 1928, The George Washington University; *Major: Geology*
- Fassett, Christine (A.M.)
A.B. 1926, Syracuse University; *Major: English*
- †Fay, Allan B. (A.M.)
A.B. 1927, Haverford College; *Major: Mathematics*
- Feller, William (A.M.)
B.S. 1929, Rutgers University; *Major: Bacteriology*
- †Ferner, Florence Katharine (A.M.)
A.B. 1927, Syracuse University; B.S. 1928, Columbia University; *Major: Political Science*
- Fetsch, Joseph Thomas, Jr. (A.M.)
B.E. 1924, Johns Hopkins University; *Major: Mathematics*
- Field, Dorothy Hood (A.M.)
A.B. 1928, The George Washington University; *Major: Spanish*
- Fisher, William A. (A.M.)
A.B. 1927, University of Maryland; *Major: Economics*
- †Flagg, Grace Lillian (A.M.)
A.B. 1929, The George Washington University; *Major: Botany*
- Fowler, Marvin Edward (A.M.)
A.B. 1926, Central College; *Major: Botany*
- D. C. Fox, Nannie Lee (A.M.)
A.B. 1927, Woman's College of Alabama; *Major: History*
- D. C. †Fuhrmann, Carl J. (A.M.)
B.S. 1926, University of Chicago; *Major: Physics*
- D. C. †Futer, Marie Elizabeth (A.M.)
A.B. 1925, Swarthmore College
- D. C. Galer, Eileen (A.M.)
A.B. 1929, The George Washington University; *Major: English*
- Md. Galligan, Joseph D. (A.M.)
B.S. 1928, University of Maryland; *Major: Chemistry*
- N. Mex. Gardner, Paul (Ph.D.)
A.B. 1928, The George Washington University; A.M. 1929, The George Washington University; *Major: History*
- D. C. Garlock, Edward Allen (A.M.)
B.S. 1908, Purdue University; *Major: Physics*
- D. C. Garrett, Paul Teeter (A.M.)
A.B. 1928, Manchester College; *Major: Latin*
- D. C. Gause, Clemencia Ann (A.M.)
A.B. 1929, University of Maryland; *Major: Romance language*
- D. C. †George, Henry Booty (A.M.)
B.S. 1929, Purdue University; *Major: Mathematics*
- D. C. †George, William Donovan (A.M.)
B.S. 1929, Georgia School of Technology; *Major: Mathematics*
- Tex. Giarratana, Joseph (A.M.)
A.B. 1928, University of Montana; *Major: Mathematics*
- D. C. †Giasmire, A. Willy (A.M.)
A.B. 1925, Pennsylvania State; *Major: Psychology*
- D. C. †Glass, Jewel J. (A.M.)
A.B. 1926, The George Washington University; A.M. 1929, The George Washington University; *Major: Geology*
- N. J. Goff, Janet (A.M.)
A.B. 1929, Scarritt College; *Major: English*
- D. C. Good, Newell E. (Ph.D.)
A.B. 1927, Heidelberg University, Ohio; *Major: Zoology*
- D. C. †Goodwin, Frank Stier (A.M.)
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Economics		‡Kern, Willis Frederick (A.M.) Graduate of Naval Academy; <i>Major: Mathematics</i>	D. C.
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Houston, David E. (M.S.) A.B. 1927, Carleton College; <i>Major: Chemistry</i>	Minn.	Psychology	
Huber, Elbert Lowell (A.M.) A.B. 1928, The George Wash- ington University; <i>Major:</i>	Nebr.	‡Klekotka, Joseph Francis (M.S.) B.S. 1926, Villanova College; <i>Major: Chemistry</i>	Pa.
History		Klemm, Ethel Mina (A.M.) A.B. 1924, University of Indi- ana; <i>Major: Zoology</i>	Ind.
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Jackson, Oscar Avelin (A.M.) A.B. 1929, The George Wash- ington University; <i>Major:</i>	D. C.	History	
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Botany	S. C.	Kyner, Susanna Parker (M.S.) A.B. 1926, Goucher College; <i>Major: Zoology</i>	Md.
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- D. C.
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- Ill.
- Okl.
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- Va.
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- Wash.
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- D. C.
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- Conn.
- D. C.
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Murphy, M. John (A.M.) A.B. 1908, Butler College; LL.B. 1910, Indiana University Law School; Major: English	D. C.	Pender, Joseph W., Jr. (Ph.D.) A.B. 1921, North Texas State Teachers College; A.M. 1926, Baylor University; Major: Political Science	Tex.
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Dakota; Major: Chemistry
- †Stoneburner, Carl F. (M.S.)
B.S. 1928, Roanoke College;
Major: Physics
- Story, Josephine Layman (A.M.)
A.B. 1920, University of Tulsa;
B.O. 1922, University of
Tulsa; B.E. 1923, Columbia
University; (Bach. of expres-
sion) Major: English
- †Street, Margaret Hope (A.M.)
A.B. 1929, The George Wash-
ington University; Major:
History
- Stubbs, Donald H. (A.M.)
A.B. 1929, The George Wash-
ington University; Major:
Psychology
- Suber, James Whitley (A.M.)
B.S. 1928, Mississippi A. and M.
College; Major: Chemistry
- †Summerhays, Hyrum-Berrett (A.M.)
A.B. 1928, University of Utah;
Major: History
- †Summers, Richard Aldrich (A.M.)
A.B. 1926, University of Ari-
zona; Major: English
- Swain, Esther Merle (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
Romance Language
- Swenson, John Arthur (A.M.)
A.B. 1928, Gustavus Adolphus
College; Major: Physics
- Talbert, Elsie May (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
English
- Colo. Taliaferro, Julia Crawford (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
Psychology
- D. C. †Taylor, Helen (A.M.)
A.B. 1929, The George Wash-
ington University
- D. C. Tener, Rees Fernau (Ph.D.)
A.B. 1920, Marietta College;
M.S. 1926, The George Wash-
ington University; Major:
Chemistry
- D. C. †Tenney, E. Paul (A.M.)
A.B. 1926, Leland Stanford Uni-
versity; Major: Economics
- Ind. Tennyson, Joseph Burch (M.S.)
A.B. 1928, The George Wash-
ington University; Major:
Zoology
- Nebr. Thom, Emma Mertins (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
Geology
- Md. †Thomas, C. Bassett (A.M.)
A.B. 1922, The George Wash-
ington University; Major:
History
- D. C. †Thomas, Eugene S. (A.M.)
A.B. 1929, The George Wash-
ington University; Major:
Psychology
- D. C. †Thompson, Etta Mae (A.M.)
A.B. 1926, Dalhousie Univer-
sity; Halifax, Nova Scotia;
B.S. in P.A.L. 1928, Boston
University; Major: English
- S. Dak. Tierney, Elizabeth Kirwan (A.M.)
B.S. 1922, University of Louis-
ville; Major: Psychology
- Va. Titus, Harry W. (Ph.D.)
A.B. 1918, University of Wyom-
ing; A.M. 1925, University of
Wyoming; Major: Chemistry
- D. C. Tronson, Palmer John (A.M.)
B.S. 1927, South Dakota State
College; Major: Mathematics
- D. C. Ulrey, Mark Q. (A.M.)
B.S. 1928, Michigan State Col-
lege of A. and A.S.; Major:
Physics
- D. C. Usilton, Lida J. (A.M.)
A.B. 1925, The George Wash-
ington University; Major:
Economics
- Miss. Vaiden, Ermyntude V. (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
Latin
- Utah *Vickers, Rose Margaret (A.M.)
A.B. 1925, The George Wash-
ington University; Major:
Anthropology
- Ariz. Walker, Frances Estelle (A.M.)
A.B. 1927, The George Wash-
ington University; Major:
Latin
- Mich. Walker, Reed (M.S.)
A.B. 1928, University of Utah;
Major: Chemistry
- Minn. †Walsmith, Retta E. (A.M.)
A.B. 1929, The George Wash-
ington University; Major:
Psychology
- Md. †Walsmith, Retta E. (A.M.)
A.B. 1929, The George Wash-
ington University; Major:
Psychology

- †Walten, Helen Isabel (A.M.)
A.B. 1928, The George Washington University; Major: English
- Walter, Eva May (A.M.)
A.B. 1923, The George Washington University; Major: History
- †Walton, George R. Pelham (Ph.D.)
B.S. 1912, The George Washington University; M.S. 1925, The George Washington University; Major: Chemistry
- Walton, William W. (M.S.)
B.S. 1927, Pennsylvania State Forest School; Major: Chemistry
- Wang, Yah Chuan (A.M.)
A.B. Peking National Teachers' College for Women; Major: History
- Wangler, John George (Ph.D.)
B.S. 1922, Syracuse University; M.S. 1925, The George Washington University; Major: Chemistry
- †Warren, Dorothy (A.M.)
A.B. 1926, The George Washington University; Major: French
- Webb, Wanda (A.M.)
A.B. 1928, The George Washington University; Major: English
- Wedgeworth, May (A.M.)
A.B. 1928, The George Washington University; Major: English
- Weiche, Herman D. (M.S.)
B.S. 1927, The George Washington University; Major: Chemistry
- Werner, W. Courtney (Ph.D.)
A.B. 1917, University of Missouri; Major: Paleontology
- Wertheimer, Albert (A.M.)
B.S. 1928, Cooper Union Institute; Major: Mathematics
- Wheeler, Helen Garrison (A.M.)
A.B. 1929, Western Maryland College; Major: Botany
- Wheeler, Margaret (M.S.)
A.B. 1929, The George Washington University; Major: Physics
- White, Cecil Thayer (A.M.)
A.B. 1928, Southwestern University; Major: Economics
- Wilkie, John Brown (M.S.)
B.S. 1921, Iowa State College; Major: Chemistry
- Williams, Christine Margaret (A.M.)
A.B. 1929, The George Washington University; Major: History
- Williams, James Stewart (Ph.D.)
B.S. 1923, Brigham Young University; A.M. 1927, Columbia University; Major: Geology
- Wills, Doris Margaret (A.M.)
A.B. 1927, Cornell University; Major: Physics
- †Wilson, B. Douglas (A.M.)
B.E. 1929, Johns Hopkins University; Major: Chemistry
- Wilson, Mildred Althea (A.M.)
A.B. 1927, Northland College; Major: History
- Winkler, William Owen (A.M.)
B.S. 1928, Brigham Young University; Major: Chemistry
- Wiseman, Herbert Goodwin (A.M.)
B.S. 1929, University of Maine; Major: Chemistry
- †Witt, Ewald (Ph.D.)
B.S. 1927, University of Nebraska; Ph.G. 1927, University of Nebraska; M.S. 1928, University of Nebraska; Major: Pharmacy
- Wong, Wenon (Ph.D.)
A.B. 1923, Boone University; (China); M.S. 1928, Columbia University; Major: Political Science
- †Woodside, Byron D. (A.M.)
B.S. 1929, University of Pennsylvania; Major: Economics
- †Woodworth, Anita Belle (A.M.)
A.B. 1928, The George Washington University; Major: English
- Yale, Miles Augustus (A.M.)
A.B. 1929, The George Washington University; Major: Geology
- Yearus, Kenneth John (A.M.)
A.B. 1929, The George Washington University; Major: Economics
- Yochelson, Charlotte Sarah (A.M.)
A.B. 1929, The George Washington University; Major: Botany
- Yost, Elsie May (A.M.)
A.B. 1924, The George Washington University; Major: Psychology
- Young, John C. (A.M.)
A.B. 1929, The George Washington University; Major: Mathematics
- †Zahniser, Howard (A.M.)
Major: English
- †Babb, G. Houston
B.S. 1928, Southwest Missouri State Teachers College
- Baker, Courtland D.
A.B. 1924, The George Washington University; A.M. 1925, The George Washington University
- †Bass, Mary Etta
A.B. 1906, Goucher College; A.M. 1918, Chicago University
- Burnet, Robbie Berkeley
A.B. 1924, The George Washington University; A.M. 1925, The George Washington University

- †Davidson, Ross W.
B.S. 1927, Ottawa College; M.S.
1928, University of Iowa
- Dewitt, Iva Irene
A.B. 1924, Bucknell University;
A.M. 1926, Bucknell University
- †Dodek, Fannie
A.B. 1926, The George Washington University
- †Fate, Leston Remic
A.B. 1928, Albany College
- †Forrest, Stanley S.
Goldberg, Michael
B.S. 1925, University of Pennsylvania; A.M. 1929, The George Washington University
- †Goldstein, Joseph George
B.S. 1929, Franklin and Marshall College
- †Hale, Walter S.
B.S. 1925, University of Arkansas; M.S. 1929, University of Colorado
- Hamill, Thomas E.
B.S. 1928, The George Washington University
- Hornaday, Mary Josephine
A.B. 1927, Swarthmore College
- Isham, Willard Smith
B.S. 1928, The George Washington University
- Jackson, Carey Birdsong
B.S. 1928, Mississippi A. and M. College; M.S. 1929, The George Washington University
- Jelne, Theodore
B.S. 1927, Johns Hopkins University; A.M. 1927, Johns Hopkins University
- Kenny, Hamill Thomas
A.B. 1924, Columbia University; A.M. 1925, Columbia University
- †Kirk, Ruth S.
A.B. 1928, University of Washington
- †Kraft, Carl F.
B.S. 1921, The George Washington University
- †Link, John Clarence
A.B. 1928, Creighton University
- Love, Katherine Stith
A.B. 1917, University of Richmond; M.S. 1925, The George Washington University
- †Lyle, George Averett
B.S. 1921, Hampden-Sidney; M.S. 1924, Lehigh University
- †McDowell, Charles Jacob
A.B. 1927, American University; M.A. 1929, American University
- †Mathews, Joseph Anthony
A.B. 1926, Regis College; M.S. 1927, Holy Cross College
- Maxwell, Ferne L.
A.B. 1919, University of Texas; A.M. 1926, University of Texas
- D. C. Morrison, James Brown
Graduate 1923, U. S. Naval Academy
- Pa. †Pace, Lillian E.
A.B. 1927, Swarthmore College
- N. J. Putnam, Amy Dorothy
A.B. 1922, The George Washington University
- D. C. Ramey, Elizabeth Margaret
A.B. 1929, The George Washington University
- Va. Robertie, George
Ph.B. 1926, Boston College
- Mass. †Rosenthal, Jacob
A.B. 1928, The George Washington University; A.M. 1929, The George Washington University
- N. Y. Sanborn, Morris Henry
B.S. 1922, The George Washington University; M.S. 1928, The George Washington University
- D. C. †Sanders, Barkev Sahak
B.S. 1926, State Normal School, Bridgewater, Mass.; A.M. 1927, Columbia University; Ph.D. 1929, Columbia University; (pending pub. of dissertation)
- Mass. †Seely, Frederick Franklin
A.B. 1926, Dartmouth College
- D. C. †Shapiro, Samuel
A.B. 1926, The George Washington University
- D. C. Shepard, Harold Henry
B.S. 1924, Massachusetts Agricultural College; M.S. 1927, University of Maryland
- Md. Smith, Audley L.
A.B. 1923, The George Washington University; A.M. 1924, The George Washington University
- D. C. Smith, Gretchen Anne
A.B. 1929, University of Indiana
- Ind. Snow, Chauncey
A.B. 1910, Harvard University
- D. C. †Spurr, Frank Arthur
B.S. 1921, The George Washington University; M.S. 1929, The George Washington University
- Iowa †Stadler, Robert Burt
A.B. 1922, The George Washington University; A.M. 1925, The George Washington University
- D. C. Stam, Lillian R.
A.B. 1928, The George Washington University
- D. C. †Stohlman, Edward Fredrick
B.S. 1930, University of Nebraska, (To be conferred Jan., 1930) Major: Chemistry
- D. C. †Sydenstricker, Vivian A.
A.B. 1927, Presbyterian College of South Carolina. A.M. 1929, The George Washington University
- Ga. Tepper, Ben J.
B.S. 1925, University of Pennsylvania
- N. Y.

†Waid, Donald Howard

Wetherill, John Price

B.S. 1927, The George Washington University; M.S. 1928, The George Washington University

Wilkie, Harry

B.S. 1928, Montana State College

Okla.

Md.

Williams, Mathilde Dorothea

A.B. 1925, The George Washington University

†Yee, Jew Yam

B.S. University of California; M. S. 1923, The George Washington University

Mont.

D. C.

D. C.

THE SCHOOL OF MEDICINE

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Names of students who have withdrawn are indicated by †

FOURTH YEAR

Algozer, Alfonso Leonard	N. Y.	Merlo, Francis Aurelio	D. C.
Allison, James Clement	D. C.	B.S. 1927, The George Wash-	
Barber, Donald Cole	Ohio	ington University	
B.F.S. 1926, Georgetown Uni-		Morrock, Samuel	N. Y.
versity		Orem, John Manly	D. C.
Boyd, Robert Claibourne	N. Dak.	Paganelli, Hugo R.	N. Y.
Breslow, Samuel	N. J.	Parker, Howard Pope	D. C.
Calandrella, Ralph	Conn.	Quinn, David Edmon	Ohio
Campbell, George K.	Mo.	B.S. 1924, Allegheny College	
A.B. 1927, The George Wash-		Rod, Isadore	D. C.
ington University		A.B. 1927, The George Wash-	
Cardwell, John Leland	D. C.	ington University	
DeSio, Arthur Leo	Conn.	Rothman, Herman	Pa.
Detweiler, Daniel Stephen	Pa.	B.S. 1928, University of Pitts-	
Dobkin, William Shambough	Va.	burgh	
Eastlack, Joseph J.	D. C.	Sanchez, Luis Antonio	P. R.
Fox, Levi Otis	N. J.	Scalzo, John James	N. Y.
Gentile, Luciano F.	N. Y.	Schneider, William	N. Y.
Gibson, Stuart Bentley	Pa.	B.S. 1927, New York University;	
Graco, Gaetano	N. Y.	B.S.M. 1928, University of	
Griffin, Edgar Deucher	D. C.	Kansas	
A.B. 1927, The George Wash-		Schwartzman, Aron	D. C.
ington University		A.B. 1927, The George Wash-	
Jones, Benjamin L.	Pa.	ington University	
B.S. 1929, University of Pitts-		Sperr, Alma Jane	D. C.
burgh		A.B. 1913, University of Texas;	
Kardys, John Albert	Conn.	A.M. 1926, George Washing-	
Katz, Max	D. C.	ton University	
Katzman, Sollie	D. C.	Stoen, Bennett A.	Minn.
Keller, Ira Allen	N. Y.	Tabb, Samuel Lester	D. C.
B.S. 1923, College of the City of		A.B. 1927, The George Wash-	
New York		ington University	
Kelly, Fred Robert	Ohio	Vita, Frank Joseph	N. J.
Lavine, Oscar	D. C.	Wallerstein, Harry	N. Y.
Liccese, Emanuel	N. J.	A.B. 1927, The George Wash-	
B.S. 1926, New York University		ington University	
Marbury, John Bayne	D. C.	Weber, George Samuel	D. C.
Marinello, Joseph Faraday	N. Y.	Weinstein, Max Jacob	D. C.
B.S. 1926, College of the City of		Weisman, Joseph C.	D. C.
New York		Ph.G. 1924, Columbia Univer-	
Meade, Spencer Vincent	D. C.	sity; B.S. 1928, University of	
A.B. 1927, The George Wash-		Missouri	
ington University		Wigderson, Charles Bernard	N. Y.
		Wilson, Nat Joseph	Conn.
		A.B. 1926, The George Wash-	
		ington University	

THIRD YEAR

P. R.	Casey, Jesse Frank	D. C.
Canada	A.B. 1925, Guilford College	
D. C.	Clements, William H.	D. C.
Md.	A.B. 1928, The George Wash-	
	ington University	
Idaho	Cooper, Albert Derwin	Va.
D. C.	Crowther, Aloha H.	Md.
N. Y.	B.S. Phar. 1927, The George	
N. J.	Washington University	
	Culpepper, Albert Lloyd	N. Mex.
	A.B. 1926, University of New	
P. R.	Mexico	
N. Y.	Cuozzo, Michael A.	N. Y.
D. C.	Ph.G. 1924, Columbia University	
	D'Ambola, Philip Ralph	N. J.
	Dengler, Ernest Harry	D. C.
	A.B. 1928, The George Wash-	
	ington University	

Diamond, Harry Davis	N. Y.	Mattingly, Richard Vinton	D. C.
DiFino, Felix Joseph	N. J.	L.L.B. 1919, Georgetown University; L.L.M. 1921, Georgetown University; M.P.L. 1921, Georgetown University	Pa.
DiLorenzo, Gaspare	N. Y.	A.B. 1923, The George Washington University	D. C.
B.S. 1926, College of the City of New York	N. Y.	McCarthy, Robert J.	D. C.
Distefano, Michael S.	N. Y.	McGreevy, Joan Frances	D. C.
B.S. 1927, College of the City of New York	D. C.	Mellon, Wilbur L.	
Dowling, Harry Filmore	D. C.	Mezitis, Fofo	
A.B. 1927, Franklin and Marshall College	D. C.	A.B. 1928, The George Washington University	D. C.
Eisenberg, Herman	N. Y.	Miller, Beveridge	
Ershler, Irving	N. Y.	A.B. 1927, The George Washington University	N. Y.
A.B. 1928, The George Washington University	P. R.	Miller, Saul Martin	R. I.
Fernandez, Ricardo F.	N. Y.	A.B. 1927, The George Washington University	N. Y.
Fortgang, Harry King	N. Y.	Mohr, Charles F.	N. Y.
Fox, Thomas Holland	Va.	Mollica, John Joseph	N. J.
B.S. 1927, St. John's College	D. C.	B.S. 1927, Fordham University	N. Y.
Friedman, Irving	Ind.	Nicosia, Joseph John	N. Y.
Gary, Edward Thomas		Petruska, Albert John	N. Y.
A.B. 1927, The George Washington University		Pietropinto, Donato	Calif.
Green, Holland Harvey		B.S. 1927, New York University	Tex.
A.B. 1928, The George Washington University	N. Y.	Purpura, John Anthony	
Greenberg, Louis William		Rojas, Eli Samuel	
A.B. 1927, The George Washington University	Idaho	Rosenberg, Seymour J.	N. Y.
Heath, Alma F.	Idaho	Scarborough, Dorothy Lee	
Henson, Rex Thomas		A.B. 1928, The George Washington University	N. J.
A.B. 1927, The George Washington University	N. J.	Schreiber, Maurice Milton	N. Y.
Jacobson, Murray Benson	D. C.	B.S. 1928, New York University	
A.B. 1927, Ohio State University		Schubert, Roy Roper	
Jarvis, James Raymond	D. C.	Seckler, Samuel	
A.B. 1927, Ohio State University	D. C.	B.S. 1926, College of the City of New York; M.S. 1927, The George Washington University	N. Y.
Kosow, Maurice J.	D. C.	Segnol, Herman J.	D. C.
LeHew, Allen Edwin	D. C.	A.B. 1928, The George Washington University	N. J.
A.B. 1928, The George Washington University	N. Y.	Sichi, William T.	N. Y.
Letofsky, Simon	Utah	Siniscal, Arthur Alfred	Mass.
Lewis, Wayne		Slipyan, Alvin	D. C.
B.S. 1927, Brigham Young University	N. J.	Vartebedian, Leo	W. Va.
Maggio, George Anthony	D. C.	Weitzman, Harry Samuel	Ohio
A.B. 1928, Columbia University	Panama	Wise, Herbert Bequette	
Martin, Wilbur Wynn		Wyman, George P.	
Mastellari, Amodeo Vincente		A.B. 1928, Baldwin-Wallace College	

SECOND YEAR

Adler, Harry	N. Y.	Birnberg, William	N. Y.
A.B. 1928, The George Washington University	N. Y.	Blajwas, Abe	
Alpert, Henry Rowland	N. Y.	Blakiston, William Stone	
A.B. 1929, The George Washington University	N. Y.	Blank, Henry	
Amster, Milton William	N. Y.	A.B. 1929, The George Washington University	N. Y.
A.B. 1929, The George Washington University	D. C.	Boas, Louis Charles	Pa.
Baker, Arthur Gorham	D. C.	A.B. 1929, The George Washington University	N. Y.
A.B. 1928, Swarthmore College	D. C.	Boot, Harry E.	
Barr, William Carlisle	N. Y.	Boswell, Robert Echo	
Beacher, Abraham		Bressler, David M.	P. R.
A.B. 1929, The George Washington University		A.B. 1929, The George Washington University	Calif.
Biondo, Paul M.	Pa.	Calderon, Aureo	
A.B. 1928, The George Washington University		Chase, Albert Stillman	
		A.B. 1928, University of Southern California	

Cliff, Arthur Edgar A.B. 1929, The George Wash- ington University	D. C.	Lefsky, Benjamin P. A.B. 1929, The George Wash- ington University	D. C.
Conway, William Francis	Ariz.	Lichtman, Abraham P.	D. C.
Crain, Darrell Clayton	D. C.	Mangold, Anthony Joseph	Pa.
Croft, Gordon Yan	Utah	Marquez, Francisco A.	P. R.
B.S. 1923, Utah Agricultural College		A.B. 1929, The George Wash- ington University	
Dick, Morris Marcus	N. Y.	McLean, Charles Dorsey	Pa.
A.B. 1928, The George Wash- ington University	N. Y.	Mejia, Raymond	D. C.
DiGregorio, Arnold Gallileo	N. Y.	Melich, Edward Idel	N. J.
Douglas, Harry Samuel	N. Y.	A.B. 1929, The George Wash- ington University	
A.B. 1929, The George Wash- ington University	D. C.	Mendelsohn, Matthew	D. C.
Edmonston, Raphael A.	D. C.	A.B. 1929, The George Wash- ington University	
Elkins, Earl Cook	D. C.	Mulhern, Willis Henry	Pa.
A.B. 1927, Buena Vista College	D. C.	Nelson, George Bailey	Md.
Fleck, Charles Hayden	Pa.	B.S. 1929, Washington College	Va.
A.B. 1929, The George Wash- ington University		Olson, Robert M.	Va.
Foster, Major Schuessler	Ala.	Orlean, Harry	D. C.
B.S. 1928, Alabama Polytechnic Institute	N. C.	Passalacqua, Jose Raphael	P. R.
Fowler, William McDaniel	D. C.	Richtmeyer, Duane Case	Va.
Glover, Mervin Wilbur	Ariz.	Rosenfeld, Hyman S.	N. Y.
Gonzalez, Pablo	Pa.	A.B. 1928, The George Wash- ington University	
Gordon, Stanley Joseph	D. C.	Scarborough, Marianne	D. C.
A.B. 1929, The George Wash- ington University	N. Y.	Schiffer, Harry Bernard	N. Y.
Heilman, Charles		A.B. 1929, The George Wash- ington University	
Hoffman, Isadore Louis		Shaffer, Charles M.	Pa.
A.B. 1929, The George Wash- ington University		B.S. Susquehanna College	
Hoyt, John Mitchell	D. C.	Smith, Hewitt Wyatt	Md.
A.B. 1928, The George Wash- ington University		A.B. 1929, The George Wash- ington University	
Jackson, J. McIver	Va.	†Smoot, Kenneth MacLean	D. C.
A.B. 1928, Washington and Lee University		Solet, Leo	D. C.
Kennedy, John J.	N. Y.	Sox, Carl Caughman	S. C.
B.S. 1927, University of Pitts- burgh	Pa.	B.S., University of South Caro- lina	
Klein, Milton		Steinman, H. Erwin	D. C.
A.B. 1923, The George Wash- ington University	N. Y.	Strawbridge, Francis Neilson	D. C.
Klesner, Samuel Franklin		A.B. 1929, The George Wash- ington University	
A.B. Kalamazoo College		Stubbs, Donald	D. C.
Kroll, Max	Mich.	A.B. 1929, The George Wash- ington University	
A.B. 1929, The George Wash- ington University	N. Y.	Susan, Frank A.	Pa.
		Tanner, Ivins Snow	Utah
		Troche, Carmen	P. R.
		Weinstein, David Louis	D. C.
		Williams, Angelo Muollo	Pa.
		Wootton, Roland Henry	Utah
FIRST YEAR			
Alcorn, Lemuel	Pa.	Brown, John Lawrence	Calif.
Bajohr, Albert Joseph	N. Y.	Ceraso, Louis Charles	Pa.
Balamo, Joseph John	N. J.	B.S. 1929, Bucknell University	
Bashein, Gus	N. Y.	Chase, Morris	D. C.
Beard, William Henry	Md.	Close, Byron Huntington	N. J.
Berlesky, Harry Stephen	Ohio	Coleman, William Ernest	Ky.
A.B. 1929, Cornell University	Pa.	Contes, William Emanuel	Pa.
Blazina, William Marion	N. Y.	B.S. 1923, Washington and Jef- ferson College	
Brand, Morris		Corey, Walter Van Arsdale	N. Y.
A.B. 1929, The George Wash- ington University	N. Y.	†Cosgrove, Robert Sinclair	Calif.
Breslow, Samuel	N. Y.	Danno, Samuel Peter	N. J.
Brooks, William Francis	Conn.	Davidson, Henry Everett	Pa.
A.B. 1929, George Washington University	N. Y.	Dean, Howard L.	N. Y.
Brown, Edith L.	N. Y.	DeCarlo, Joseph D.	Ohio
Y. City		Decker, Martin	D. C.
		Dye, Geneva Margaret	N. Y.
		Elisco, Pasquale	
		Epstein, Joseph	

Farley, Ray Francis	N. J.	Pensky, Nathan	N. Y.
Feldman, Irvin	D. C.	A.B. 1929, George Washington University	P. B. Va.
Frame, Charles W.	Md.		
†Friend, Victor Vernon	Tex.	Pérez Toledo, Adalberto	Ala.
Fugitt, Elmer Wink	D. C.	†Pettit, James A.	N. Y.
Gelpi, William P.	P. R.	Price, Lance Charles	D. C.
Gray, Seeley N.	Wisc.	Prussin, George	N. Y.
A.B. 1929, American University		Reeves, Clyde Pinkney	
Greenberg, Milton Morton	D. C.	Reff, Benjamin Franklin	
Gross, Isidore	N. Y.	A.B. 1929, George Washington University	N. Y.
A.B. 1929, George Washington University		Reiley, James Benedict	D. C.
Hart, George Alexis	Del.	Ph.G. 1923, Fordham University	D. C.
A.B. 1929, University of Pennsylvania		Richardson, Francis X.	Pa.
Hess, Rolla Burchard	Calif.	Richwine, Alfred Henry	
Inslicht, Hyman	N. J.	Robb, Harry Joseph	Ohio
Jackson, Ruth	D. C.	B.S. 1929, University of Pittsburgh	Pa.
A.B. 1927, George Washington University		Rodenbaugh, Fred H.	Wash.
Johnson, Ernest Clinton	Va.	B.S. 1928, Kenyon College	
B.S. 1929, Virginia Military Institute		Ross, Peter William	
Kent, Ann Patrick	D. C.	Schaill, Clayton M.	N. Y.
Kolipinski, Louis Xavier	D. C.	B.S. 1929, University of Washington	
Laurie, Andrew Louis	N. J.	Selinkoff, Joshua Jesse	Pa.
B.S. 1929, Lebanon Valley College		A.B. 1929, The George Washington University	
Levin, Samuel George	N. J.	Shaffer, Lester M.	Pa.
A.B. 1929, George Washington University		B.S. 1925, Susquehanna University	
Marco, Joseph	Ohio	Sheedy, Leo Patrick	N. J.
B.S. 1929, Kenyon College		B.S. 1929, University of Pittsburgh	Ariz.
Menham, George Stanley Kemp	Pa.	Shreehan, Hubert Francis	D. C.
B.S. 1929, University of Pittsburgh		Shupe, Reed D.	
Miles, Verlin Estelle	Va.	Silverman, Morris	Oct. Wash.
Miller, Nathan	N. J.	A.B. 1929, The George Washington University	
†Miller, Russell Painter	Va.	Simonton, Kinsey Macleod	
Miller, William Sterling	Va.	Snyder, James Leslie	
Mira, Anthony A.	N. Y.	B.S. 1928, University of Washington	Md.
B.S. 1929, C.C. N.Y. (City College of New York)		of Washington	
Mish, Kemp Hammond	D. C.	Somers, Charles Irving	D. C.
Mitchell, Ona F.	W. Va.	A.B. 1929, St. Johns College	N. Y.
Mitrani, Jacques Henri	N. Y.	Stolar, Robert	D. C.
Morgan, Allan V.	Pa.	Topperman, Samuel	Pa.
B.S. 1929, University of Pittsburgh		Weeks, Norman Ernest	
Mulhern, Franklin Norbert	Pa.	Wolfe, Jared Dunn	Calif.
B.S. 1929, St. Vincents College		A.B. 1929, The George Washington University	N. Y.
Orben, Lloyd Deering	N. Y.	Woo, Henry Biachoff	
		Zaidens, Sadie Helene	

THE SCHOOL OF NURSING

CANDIDATES FOR DIPLOMA IN NURSING

THIRD YEAR	
Browne, Ida Adella	S. C.
Cherney, Victorine Laurel	Iowa
Cunningham, Elizabeth Louise	W. Va.
Deane, Roberta Naoma	Va.
Erb, Naomi Zug	Pa.
Feagans, Mildred Annis	Va.
Frye, Wilma Gertrude	Mich.
Herndon, Alma Adelaide	N. C.
Hess, Miriam Frances	
Nelson, Anna Mae	
Pettit, Jane Mason	
Rafter, Virginia Elizabeth	
Sette, Mary Celeste	
Stouffer, Olive May	
Wall, Jessie Pearl	
White, Lillian	
SECOND YEAR	
Bell, Grace	Md.
Cox, Beatrice Alberta	W. Va.
Culp, Loretta R.	Mich.
Cunningham, Catherine Virginia	
Daffron, Mary Juncie	
James, Dorothy Lee	

Martin, Hazel Inez
Porter, Thelma H.
Richard, Mary Catherine
Ridenour, Jane Hammond

N. C. Spotts, Agnes Virginia
Md. Swiger, Dorothy Mae
Va. Tarpley, Pauline E.
Md. Watson, Marion Carter

W. Va.
W. Va.
S. C.
N. C.

FIRST YEAR

Barefoot, Essie
Burns, Mary Elizabeth
Christian, Alice Burnice
Craumer, Jennie Pauline
Dintaman, Emma Irene
Elison, Alma May
Fix, Ted
Goolaby, Kathleen G.
Green, Martha Carol
Hill, Jewell Rochelle
Hoffman, Margaret Elizabeth
Holsenbeck, Pauline Farley
Hutton, Virginia

N. C. Jenkins, Rebekah White
N. C. Long, Lanie Magdalene
N. C. Mays, Virginia A.
Pa. McCluer, Emma Thorn
Md. Moore, Nellie Taylor
D. C. Nash, Anna Evelyn
N. C. Poling, Chloe Evelyn
Va. Quimby, Mary A.
Ga. Ritenour, Julia A.
N. C. Rowe, Grace N.
Pa. Topping, Margaret M.
Ga. Westmoreland, Gladys S.
W. Va.

Va.
Va.
W. Va.
Va.
Va.
N. C.
W. Va.
Pa.
Va.
Md.
Va.
N. C.

THE LAW SCHOOL

CANDIDATES FOR THE DEGREE OF MASTER OF LAWS

*Carlson, George Russell
LL.B. 1924, DePaul University
†Crouter, Earl Clinton
A.B. 1928, LL.B. 1929, The
George Washington Univer-
sity
†Dinwoodey, Charles Dean
A.B. 1925, University of Utah;
LL.B. 1929, The George
Washington University
†Bolan, John Joseph
A.B. 1923, Princeton Univer-
sity; LL.M. 1928, The George
Washington University
Harden, Fred Geor
A.B. 1907; A.M. 1908, Univer-
sity of Nebraska; LL.B. 1919,
The George Washington Uni-
versity
†Knauss, Harrison Edward
Graduate, 1908, U. S. Naval
Academy; LL.B. 1926, The
George Washington Univer-
sity
†Lichanco, Marcial Primitivo
B.S. 1923, LL.B. 1926, Harvard
University

D. C. †Lowe, Frank Loper
Wyo. Graduate, 1914, U. S. Naval
Academy; LL.B. 1925, The
George Washington Univer-
sity
Idaho Reagle, Hilda Ruth
A.B. 1925, LL.B. 1927, The
George Washington Univer-
sity
D. C. †Segal, Paul Moses
A.B. 1920, Columbia Univer-
sity; LL.B. 1922, University
of Denver
*Shalowitz, Aaron Louis
LL.B. 1926, Georgetown Uni-
versity
†Sightler, Septimus Bonham
A.B. 1926, Virginia Military
Institute; LL.B. 1929, The
George Washington Univer-
sity
Tillema, John Albert
A.B. 1914, Hope College; A.M.
1917, University of Michigan;
Ph.D. 1924, Washington Uni-
versity; LL.B. 1928, The
George Washington Univer-
sity

D. C.

D. C.
Colo.
Md.
Md.
D. C.

CANDIDATES FOR THE DEGREE OF BACHELOR OF LAWS

Albrecht, Karl J.
B.S. 1925, University of Min-
nesota
Allhouse, David Samuel
Amis, Bernard LaSalle
Aronoff, Julius
A.B. 1928, The George Wash-
ington University
Bailey, Thomas Jennings, Jr.
A.B. 1926, Princeton University
Bangert, Harold Wallace
Barley, Frank J.
Bernes, Maurice Runnels
B.S. 1924, University of Utah

THIRD YEAR

Minn. Barnes, Wilbur James
Mechanical Engineer, 1915,
Cornell University
Pa. *Barrick, Charles Wade
Va. Bassler, William Sidney
D. C. A.B. 1923, The George Wash-
ington University
D. C. *Bentley, Fay Louise
Ph.B. 1918, University of Chi-
cago
N. Dak. Biebel, Lawrence B.
Ill. B.S. in E.E. 1927, University
of Pittsburgh
Utah

Md.
Ill.
D. C.
Ill.
Pa.

Box, John Calvin, Jr. A.B. 1928, The George Washington University	Tex.	Ginberg, Louis Grossberg, Solomon *Grossman, Raymond Mandell	D. C. D. C. Ill.
Bradley, William Cheney	Ohio	Hall, Clyde Webster	Ind.
Brill, Isadore	D. C.	B.S. in M.E. 1925, Purdue University	Ala.
Britt, James Edward B.S. in M. E. 1924, North Carolina State College of Agriculture and Engineering	N. C.	†Hall, Liston Fleming †Harper, Hoyt Benjamin *Harrell, Rogers Edward	Ill. S. C. N. Y.
Brookley, Zelpha Catherine A.B. 1916, Miami University	Ohio	†Haug, Richard A.B. 1928, Cornell University	D. C.
Browne, James Keith A.B. 1925, State University of Montana	Mont.	Hayes, Jack A.B. 1926, The George Washington University	D. C. Mass.
Burton, Lawton Camp, Thomas Lee A.B. 1925, Oglethorpe University	Okla. Ga.	*Hodges, Louis Ogle Holland, Mary Josephine A.B. 1922, Tufts College	Mass.
Campbell, Marion A.B. 1928, The George Washington University	D. C.	Houghton, Joseph York B.S. 1926, Massachusetts Institute of Technology	Ind.
Casteel, Elizabeth Gall	D. C.	Hufford, Harold Emery	D. C.
*Cavanaugh, Ernest Denning A.B. 1921, Duke University; A.M. 1926, The George Washington University	N. C.	*Hyatt, Lena Rose Ingle, Albert Laurens Jansen, Elsie Bradford	Mass. D. C.
Churchwell, William Henry Cohen, Raymond W. B.E. in E.E. 1926, Johns Hopkins University	Mont. Md.	A.B. 1927, Wellesley College Johnson, Albert Kimball B.S. 1927, University of Vermont	Vt.
Conner, Norman Hampton B.S. 1924, University of Virginia	D. C.	*Johnson, Edward Claude A.B. 1924, College of William and Mary	Va.
Cotton, Sara Camblos Cox, Elizabeth M.	D. C. D. C.	Keegin, Stafford Warwick A.B. 1924, Dartmouth College	D. C.
*Crofts, Leroy Arthur Cross, John Walker *Crouter, Earl Clinton A.B. 1928, The George Washington University	Wyo. Kans. Wyo.	King, Angus Stanley B.S. 1926, College of William and Mary	Va.
Curtis, Donald Graduate, 1918, U. S. Naval Academy	Mass.	*King, Howard Allen A.B. 1927, Indiana University	Ind.
Dent, George Brewer Dickinson, L. Call	Nebr. Iowa	Kitchens, Wade Hampton, Jr. A.B. 1927, University of Arkansas	Ark.
Dodd, Harold Graduate, 1912, U. S. Naval Academy; M.S. 1924, Columbia University	N. Y.	Klein, Ellis B.S. 1928, University of Richmond	Va.
Dodds, Laurence Briggs B.S. 1925, University of California	Colo.	Kreek, Louis Francis *LaFont, Harold Mathews Lamphere, Phineas Harold B.S. in E.E. 1927, University of Idaho	Mo. Mo. Mont.
Earl, Marion Bradley B.S. 1922, University of Utah	Nev.	Langshaw, Gertrude Latimer, Julian Lane, Jr. A.B. 1927, Antioch College	Mich. D. C.
Eberly, Daniel Christian Edgerton, Justin Lincoln A.B. 1929, The George Washington University	D. C. Va.	Lee, Robert Edward LeRoy, Claude A. E.E. 1924, Cornell University	D. C. S. C.
*Farmer, Harold Osborne Ferguson, Elbert Bradford A.B. 1928, University of Mississippi	Ill. Miss.	*Levine, Samuel Lindsay, Lowry A.B. 1927, Wofford College	Ohio D. C.
Fessenden, John Stirling Spaulding A.B. 1926, Ohio Wesleyan University	Ohio	Lockwood, Katherine Robb Loose, Park Hoffman A.B. 1927, Dickinson College	Idaho Mass. Conn.
Fichter, Ralph John Freebairn, Melvin B.S. 1925, University of Utah	Ind. Utah	Lyman, Albert *Mahoney, Charles E. Manship, Winfield Scott A.B. 1886, Wesleyan University; B.D. 1889, Yale University; Ph.D. 1891, Yale University	Va. Iowa
Futterer, Charles Gamble, John Donald Giese, Oscar William Gilbert, Morgan MacMurrough A.B. 1927, The George Washington University	D. C. D. C. Fla. D. C.	Marshall Elliott DeJarnett Maxwell, Alan Chase A.B. 1927, University of Iowa	Ind.
		Mendenhall, Paul	

Merritt, Ella Arvilla A.B. 1903, M.A. 1905, The George Washington Univer- sity	D. C.	Speer, Larken Stanford, Joel Gibson E.M. 1925, Colorado School of Mines	Tex. N. Y.
Milwee, R. Frank Monk, George Edward A.B. 1928, The George Wash- ington University	D. C. D. C.	†Steenrod, Virginia Ruth Stukes, James Edward Stukes, Lionel Chalmers Summers, Lionel Morgan	Ohio Ga. Ga. D. C.
Muir, Joseph Johnstone McCoy, Jess James McEldowney, Grace Cornelia A.B. 1918, Smith College	Md. W. Va. D. C.	B.S. 1927, Princeton University *Suran, Raymond Cade Terrell, Richard Alfred Thompson, Samuel Craig	Okla. D. C. Ohio
Noble, Moss A.B. 1927, Berea College O'Brien, Ruth B.Sc. 1914, M.A. 1915, Univer- sity of Nebraska	Ky. Ill.	A.B. 1916, Miami University, Oxford, Ohio Titcomb, Oliver Stanley *Tonkin, Allen Munson	Mass. Okla.
O'Connor, Joseph Louis A.B. 1926, The George Wash- ington University	N. Y.	A.B. 1926, University of Okla- homa	
Oeschinger, William E. Osmond, Alfred Wendell Parry, Edmund Hurlburt, Jr. A.B. 1926, Harvard University	Mo. Utah D. C.	Torrey, Morgan Caywood Turnbull, John Gordon B.A. 1926, Hamilton College Uhler, Theodore Clay	D. C. Pa. D. C.
Peck, Philip Van Wagenen A.B. 1927, University of Penn- sylvania	D. C.	B.S. in Economics, 1917, Uni- versity of Pennsylvania Vandegrift, William Addison *Wade, William James	Md. Ill. Ill.
Pisara, Angelo Marion Chemical Engineer, 1926, Rens- selaer Polytechnic Institute	N. Y.	Wainwright, Mildred Rowena Warnick, Patrick Jennings A.B. 1927, University of Ken- tucky	W. Va.
Pollard, Charles Phillips B.S. 1925, College of William and Mary	Va.	Watson, Kenneth Nicoll A.B. 1928, The George Wash- ington University	D. C.
†Prevost, Marcel Mallet A.B. 1927, The George Wash- ington University	D. C.	Weise, F. Roe A.B. 1929, State University of Iowa	Iowa
Rapp, Leslie Manfred Reed, Albert C. B.S. 1922, University of Dela- ware	Iowa D. C.	†Wheaton, Clare Alan White, Maude Ellen *Whitehouse, Joseph George Whitmer, Robert Rudolf	D. C. Ohio N. Mex. Pa.
Reed, John Robert Reese, Roy Dahlquist Reichmann, Owen G. B.S. 1924, University of Utah	Md. Utah Utah	B.S. 1926, Washington and Jefferson College Williams, Victor Francis A.B. 1927, Bowdoin College	Me.
Riley, Edwin Archer Robertson, James Louis *Rogers, Otho Larkin A.B. 1928, The George Wash- ington University	Mo. Idaho Miss.	*Willis, Thomas George A.B. 1925, Colorado College Wilson, Gordon Kase A.B. 1926, The George Wash- ington University	Colo. Pa.
Rollins, Milton Romney, Junius Stowell Sakis, George Panagiotou Shanner, Charles Thomas A.B. 1929, The George Wash- ington University	N. Y. Utah D. C. D. C.	Wobensmith, Zachary Taylor II B.S. in M.E. 1927, University of Pennsylvania Woodruff, Ralph Waldo A.B. 1920, A.M. 1921, Susque- hanna University	Pa. Pa.
*Shaw, Edwin Brenton A.B. 1926, University of North Carolina	N. C.	Wright, Lawrence Carter B.A. 1927, University of Mis- sissippi	Miss.
Sheldon, Clifford Arthur Shenker, William Scheinbaum A.B. 1929, University of Oregon Smith, Allan Edward Graduate, 1915, U. S. Naval Academy	Iowa Ore. D. C.	Wrightson, James Owens A.B. 1923, Dickinson College	D. C.

SECOND YEAR

Allen, Philip Harper A.B. 1923, West Texas State Teacher's College; M.S. 1926, State University of Iowa	Tex.	Asmuth, Minnie Louise Baer, Louis Henry Ch.E. 1927, Rensselaer Poly- technic Institute	D. C. N. Y.
Andrus, Henry Moore A.B. 1924, Michigan Agricul- tural College	Iowa D. C.	Baker, Ralph Samuel A.B. 1928, University of Dela- ware	Del.

Baldwin, Joseph Addison A.B. 1919, Albion College	Mich.	Christopher, Clyde Burroughs Christopherson, Charles A.	Mich. S. Dak.
Baldwin, Joseph Lyle A.B. 1928, Roanoke College	Va.	A.B. 1929, University of South Dakota	
Ballinger, Willis Jerome Ph.B. 1923, Yale University	D. C.	†Claggett, Charles William	Md. Pa.
Barrow, Wylie Winfield B.S. 1926, Roanoke College	D. C.	Clapper, Emory Walling	D. C.
†Bartsch, Henry Guerdum	D. C.	Clark, Chester Ray	
Bassett, John Earl	D. C.	A.B. 1923, Kentucky Wesleyan College	N. Y. Ill.
Bays, William Webb A.B. 1904, Washington and Lee University	D. C.	Clayton, Harry Webb, Jr.	S. Dak.
Beardsley, Charles Harrison B.S. in Eng. 1926, University of Michigan	D. C.	Cluster, Loren Lee	
Beasley, Albert Ferrett	Mich.	Coatsworth, John Wallace	
Beelar, Donald Casper	Ala.	A.B. 1928, Dakota Wesleyan University	Mass.
A.B. 1928, University of Oregon	Ore.	Collins, Stanley Newcomb	
Berry, Charles Oscar		A.B. 1925, Bowdoin College	D. C.
Bishop, Harold Albert		Conradia, Albert Earl	
A.B. 1926, Bradley Polytechnic Institute	D. C.	A.B. 1923, Cornell University;	
Bohn, Theodore Roosevelt	Ill.	M.B.A. 1926, University of Pennsylvania	D. C. D. C.
B.S. 1928, University of Utah		Coulston, Clemency King	
†Boone, Paul	Utah	Coulter, Eliot Brewster	
A.B. 1921, Vanderbilt Univer- sity	Fla.	Litt. B. 1914, Princeton Univer- sity; A.M. 1915, Harvard University	Tex.
Bowen, Ollie James		Cox, John William	
A.B. 1929, University of Ken- tucky	Ky.	A.B. 1927, Rice Institute	Ind. Pa.
Boyd, Helen Marie		Crigler, Thomas Botts, Jr.	
A.B. 1927, The University of Wisconsin		Crum, Harry Watson	Iowa Pa.
Boyer, James Barnes	D. C.	B.S. 1924, Princeton University	
B.S. in E.E. 1928, The Pennsyl- vania State College		Cunningham, John, Jr.	
Bradley, James Blake	D. C.	Dickerson, Francis Arthur	D. C.
Brookhart, Smith W., Jr.		B.S. in E.E. 1918, Pennsylvania State College	
A.B. 1929, The George Wash- ington University	D. C.	Dorsey, Harryman	Ill.
Brown, Lucy Williams	D. C.	A.B. 1929, The George Wash- ington University	
Brown, Mary Agnes	Iowa	Dugger, Ralph Loring	Iowa Md. Ill.
A.B. 1924, The George Wash- ington University		B.S. 1926, University of Illinois	
Brown, Robert Washington	D. C.	Duncan, Hearst Randolph	
A.B. 1916, University of Arkan- sas	D. C.	†Dunnington, Frank Patterson, Jr.	D. C.
Buchler, Milton	N. H.	†Dyas, Richard Campbell	
B.S. in M.E. 1925, University of Michigan		A.B. 1929, University of Illinois	
Bulman, Joseph	Ark.	Earnest, James Murvin	Ind.
Butte, Woodfin L.		B.S. 1927, Alabama Polytechnic Institute	
A.B. 1927, University of Texas		Edwards, Malcolm Melbourne	D. C.
Caldwell, Arthur Brann	D. C.	A.B. 1926, Wabash College	Va. Ga. N. Y.
A.B. 1929, University of Arkan- sas		Ehrmantraut, Catherine Ada	
†Cameron, Edwin John	D. C.	Elliott, John Carl	N. C.
B.S. 1920, Massachusetts Insti- tute of Technology; Ph.D. 1927, The George Washington University	D. C.	Epstein, Reuben	Calif.
Campbell, Alexander Phillips	Ark.	B.S. 1926, College of the City of New York	
Campbell, Colin		Falls, John Rankin	
Graduate, 1917, U. S. Naval Academy		A.B. 1928, Davidson College	
Cantrell, Walter Thurman	D. C.	Fenander, Edmund Albert	W. Va.
B.E.E. 1916, University of Arkansas		B.S. 1926, University of Cali- fornia	D. C.
Caplan, Max	Pa.	Ferguson, Milton Carr	
Carpenter, Samuel Raymond	Va.	A.B. 1924, West Virginia Uni- versity	
Carton, John Hazelton		Flack, Murray Marion	D. C. Fla.
A.B. 1928, Antioch College		A.B. 1927, The George Wash- ington University	
Cawood, R. Hamilton	Okla.	Fleming, William Wright	D. C. N. Y.
A.B. 1926, Pomona College		Flournoy, William Walton	
	D. C.	A.B. 1928, University of Florida	
	Utah	Foster, Henry Lockwood	Mo. D. C.
	Mich.	Fowler, Robert Edward	
		E.E. 1926, Cornell University	
	Md.	Frazier, Dean Edward	
		Frechhof, Hyman Bennett	
		B.S. in C.E. 1927, The George Washington University	

Friedman, Melvin Hillard B.S. in E.E. 1928, The George Washington University	D. C.	Hunt, Margaret Clarke A.B. 1929, The George Washington University	D. C.
Frison, Charles Davis, Jr. A.B. 1929, University of Arkansas	Ark.	Hunter, Rollins Ankeny †Isler, William Russell B.S. 1921, Pennsylvania State College	Iowa Pa.
Frishie, Karl Friedlin A.B. 1929, The George Washington University	N. J.	Jackson, Charles Horatio, Jr. Jackson, John Wingfield B.S. 1928, University of Pennsylvania	Tex. D. C.
Gable, Raymond Edgar	Pa.	Jamison, William Zimmerman	D. C.
Gala, Julian Rodriguez	P. I.	Johnson, Ervin George B.S. 1927, University of California	Calif.
Gasch, Oliver Herman	Va.	Johnston, Everett Dale A.B. 1927, The George Washington University	Ohio
Gates, Eliot Young A.B. 1927, University of Utah	Utah	Joelin, Hiram Millard A.B. 1922, Coe College	Iowa
Gates, Lawrence Merle Geniesse, Eugene William B.Sc.E. 1920, M.S. 1924, University of Michigan	Pa. D. C.	Joyce, Ralph Fairbanks A.B. 1927, Allegheny College	Pa.
Gibson, Lloyd Camden B.S. 1917, West Virginia University	Tex.	Joynt, John Howard B.S. in E.E. 1925, Carnegie Institute of Technology; M.S. in E.E. 1928, Massachusetts Institute of Technology	Va.
Glover, George Francis	D. C.	Kampe, Albert Henry B.S. in C.E. 1924, The George Washington University	Mich.
Goldman, Joseph	D. C.	Karr, Day Payne A.B. 1929, University of Washington	Wash.
Gott, Mildred Seymour A.B. 1928, Trinity College	D. C.	Keiper, Francis Pitman A.B. 1927, and E.E. 1928, Cornell University	N. Y.
Greenbaum, Herman	Del.	Keitt, William Lawrence A.B. 1926, University of Texas	Tex.
Griffith, George Oscar A.B. 1922, West Virginia University	W. Va.	Keough, Paul Hamilton A.B. 1929, The George Washington University	D. C.
Grubb, Katherine Mary A.B. 1928, Smith College	Ala.	King, Charles Leonard Kirk, Charles Roger A.B. 1929, The George Washington University	Mo. Ohio
Grutzik, Frank Edward	Wis.	Kirkham, Francis Robinson Klatzkin, Morris Aaron A.B. 1929, The George Washington University	Utah D. C.
Hale, Elbert Overholt Hanley, James Martin, Jr. A.B. 1928, Union College	W. Va. N. Dak.	Knighon, Joseph Wilson B.S. 1917, St. John's College	Md.
Hannah, Paul Francis B.S. 1927, Dartmouth College	D. C.	Kulp, Howard Gilbert, Jr. A.B. 1929, The George Washington University	N. J.
Hardy, Karl Jack A.B. 1927, University of Utah	Utah	Lackmann, Luella Irene A.B. 1919, Cornell University	D. C.
Hatch, Douglas Lorenzo Hathaway, Carson Christal A.B. 1916, Park College; A.M. 1926, The George Washington University	Nev. Mo.	Langford, George Frank M.E. 1927, Stevens Institute of Technology	N. Y.
Hearn, Wilfred Asquith Heath, Dudley Everson B.Sc. in E.E. 1926, Rutgers College	Md. D. C.	LeGates, Eber Thomson B.S. in E.E. 1928, University of Delaware	Del.
Hedrick, Anna Fancher A.B. 1921, Vassar College; A.M. 1926, The George Washington University	Ga. D. C.	Leighey, Robert A. Levin, Leon A.B. 1928, Lehigh University	Ohio N. J.
Higginbotham, Jasper Habersham Hill, William Sasser, Jr. A.B. 1927, University of Maryland	Calif. Pa.	†Lewis, Raymond Daniel Graduate, 1923, U. S. Naval Academy	D. C.
Hittson, Harker Henry B.S. 1926, University of Illinois	Ill.	†Littlehales, George Reber B.S. 1923, Princeton University	D. C.
Hoffman, James Thomas B.S. in E.E. 1926, University of Pittsburgh	Utah Mo. D. C.	Longyear, Robert Dudley A.B. 1918, Harvard College	D. C.
Hollett, George Lyon A.B. 1909, Yale University	Mo.	Luce, Clifton Hadley	D. C.
Holther, David Kay Hoover, Charles Jackson Horwitz, Jean Himmelfarb A.B. 1924, The George Washington University	Mo.		
Houser, Harold Alexander Graduate, 1921, U. S. Naval Academy			
Howard, Andrew A.B. 1928, Drury College			

Lyons, J. Leonard A.B. 1925, Emory University	Ga.	Proctor, Robert Finis A.B. 1927, Georgetown College,	Ala.
Manian, Joseph Charles B.S. 1926, Massachusetts In-	D. C.	Georgetown, Ky.	P. I.
stitute of Technology		Quijano, Juan R.	D. C.
Markey, Thomas Sylvester A.B. 1929, University of Notre	Ind.	Raley, Irving James	D. C.
Dame		Reed, William Inge, Jr.	D. C.
Mermelstein, Milton Emanuel	N. J.	Rees, William Chevers	Nehr.
Mong, Clair Burket	Pa.	Reynolds, James David	Ill.
Morris, John Carlessa	N. Y.	Roach, Jessie Dean	
E.E. 1926, Cornell University		A.B. 1924, The George Wash-	Ill.
Morris, Rayson Pasco	Idaho	ington University	
B.S. in E.E. 1928, University		Robertson, Robert Hayes	N. Y.
of Idaho		A.B. 1927, Wabash College	
Morse, Excellenza Leah	Vt.	†Robinson, Lewis	D. C.
A.B. 1920, University of Ver-		B.S. 1925, Union College	N. Y.
mont; B.S. 1922, M.S. 1923,		Robinson, William Junius	
Massachusetts Institute of		†Rosenburg, Everett Reynolds	Va.
Technology		E.E. 1924, Rensselaer Polytech-	
Murphy, Howard Meredith	D. C.	nic Institute	
Murphy, James Russell	Kans.	Rowe, Lionel Lewis	N. C.
McCandless, David Alexander, Jr.	Ky.	Graduate, 1914, U. S. Nava	
McKay, David Lawrence	Utah	Academy	
A.B. 1926, University of Utah		Rowland, Clifford Carlyle	Pa.
Nattkemper, Louis David	Ind.	A.B. 1924, University of North	
Neff, Paul Raymond	Ohio	Carolina	
B.Sc. 1923, Heidelberg College;		Rupert, J. Allison	Vt.
A.M. 1927, The George Wash-		A.B. 1927, Ohio State Univer-	
ington University		sity	
Nevius, Richard David	D. C.	Russell, George Lucius	D. C.
Newbold, Robert Gulde	Ind.	Graduate, 1921, U. S. Naval	
A.B. 1929, University of Notre		Academy	
Dame		Ryan, Thomas John	W. Va.
Nicholson, Donald Lon	Pa.	Graduate, 1920, U. S. Naval	
A.B. 1928, Bucknell University		Academy	
Norvell, George Eldon	Okla.	Sample, Lloyd Erle, Jr.	D. C.
A.B. 1929, The University of		A.B. 1928, West Virginia Uni-	
Oklahoma		versity	
Novak, Richard Lester	D. C.	†Sanborn, John Albert	Kans.
A.B. 1929, University of Notre		B.S. in M.E. 1926, University	D. C.
Dame		of Maine	
Nystrom, Harold Charles	S. Dak.	Schrader, Milward Cecil	
A.B. 1926, University of South		Schramm, Frederic Bernhard	N. J.
Dakota		B.S. in E.E. 1925, Case School	
Olson, Frank Montague	Utah	of Applied Science	
Orbison, Robert Henry	Ind.	Schulz, Hugo Otto	Idaho
Parker, Albert Marcus	N. J.	M.E. 1927, Stevens Institute	
B.S. in M.E. 1928, University		of Technology	
of Maine		Schuttler, Norman Nedwin	Iowa
Parker, James Clarence, Jr.	D. C.	B.S. in E.E. 1927, University	
Parsons, William Herbert	D. C.	of Idaho	
Patterson, Donald Gillis	N. H.	Seaton, Warren	Mass.
*Patterson, Kirby Williams	Mo.	A.B. 1926, State University of	Md.
A.B. 1928, Drury College		Iowa; A.M. 1927, Harvard	
Payne, William Burbridge	W. Va.	University	
Pedersen, Marcus Jeppesen	D. C.	Seers, Joseph Deodat	D. C.
Perry, Albert Walter	Fla.	Shapiro, Arthur	Kans.
Pettry, Wirt Hayes	W. Va.	B.Eng. 1921, Johns Hopkins	Md.
Philbrick, Howard Reginald	Wash.	University	
B.S. 1928, Oregon State Agri-		Shapiro, Jack Charles	
cultural College		Shaw, Richard Waring	Utah
Poteet, John Wilmer, Jr.	Md.	Shelton, Charles Latimer	
B.E. 1926, Johns Hopkins Uni-		B.S. 1928, University of Mary-	
versity		land	
Powers, Irwin Richard	Mass.	Simmons, Marcellus Culmer	N. C.
Prangley, Arthur George, Jr.	D. C.	A.B. 1928, The George Wash-	N. Y.
B.S. 1925, University of Mary-		ington University	D. C.
land		†Simons, Macon McCorkle	
Prentiss, Helen Louise	D. C.	Sipkin, George	
A.B. 1929, The George Wash-		Smith, Frank DeLamo	D. C.
ington University		B.S. in M.E. 1925, Harvard	
Prince, Darius Finley	Tenn.	University	
A.B. 1925, Maryville College		Smith, James Leo	
		B.S. in C.E. 1917, Iowa State	
		College	

Smith, Jesse Robinson	Utah	Walker, Walter Kennedy	Utah
Snider, Richard Leslie	Calif.	Wallenstein, Sidney	Ohio
Snow, William James, Jr.	Utah	B.S. in Chem. Eng. 1928, Case	
Spaulding, Augusta deLaguna	D. C.	School of Applied Science	Del.
A.B. 1912, A.M. 1913, University of California		Walz, August Frederick	
Stearns, Robert Maynard	Iowa	A.B. 1928, University of Delaware	
Stephens, Thomas	D. C.	Ward, Lewis Hall	D. C.
B.S. 1928, University of Maryland		Warren, Robert Sumner	La.
Stückel, Carl Albert	Ohio	Weeks, Charles Everett	S. Dak.
B.M.E. 1927, Ohio State University		West, George Chester	Me.
Stone, Charles Parker, Jr.	D. C.	A.B. 1928, Colby College	
B.A. 1923, Yale University		Westby, George Newton	Wash.
Tushof, Leon Anthony	D. C.	B.S. in E.E. 1927, University of Washington	
A.B. 1929, The George Washington University		Wick, John Borden	N. J.
Taylor, Alfred Lindsay	D. C.	Wight, Donald Miller	D. C.
E.E. 1923, Rensselaer Polytechnic Institute	N. Y.	M.E. 1923, Lehigh University	
Tendler, Max Melville	D. C.	Wilkerson, Thomas Nesbitt, Jr.	N. Mex.
A.B. 1929, The George Washington University		Williams, Robert Manning	Okla.
Terry, George McGrew	Okla.	Willis, Herbert	Ind.
Thompson, Irvin Stewart	D. C.	B.S. 1925, College of Wooster	
B.S. in Chem. Eng. 1927, The George Washington University		Willner, Warren Hall	D. C.
Toye, Francis Gerald	Okla.	A.B. 1928, The George Washington University	
B.S. in E.E. 1927, Clarkson College of Technology	D. C.	Wilson, J. Russell	Ala.
Tullar, Irving Meredith	Wash.	B.S. 1926, Alabama Polytechnic Institute; M.S. 1927, The George Washington University	
A.B. 1915, Albion College; A.M. 1916, Columbia University	Ill.	Wilson, Lee Roy	Ky.
Tweeddale, Ralph Landon		Winningsstad, Olaf Phillips	Calif.
Van Dyke, Lawrence Adelbert, Jr.	N. Y.	Wise, William Harvey	D. C.
Van Meter, Kenny Chambers, Jr.	Utah	Woodcock, Virgil Eldon	D. C.
Vernon, Clinton DeWitt	W. Va.	B.S. 1927, Oregon State Agricultural College	
Vesey, J. Howard W.	Utah	Woolf, Edward Magruder	D. C.
von Dachenhausen, George A.	Ohio	Yaffe, Simon	N. Y.
A.B. 1929, The George Washington University	D. C.	E.E. 1925, Rensselaer Polytechnic Institute	
		Young, Truman Richards	Utah

FIRST YEAR

Adair, Edwin Ross	Ind.	†Benedict, Ronald Henry	Mich.
A.B. 1928, Hillsdale College		Benson, Serge Nelson	Utah
Allen, Edward Walter, Jr.	Va.	B.S. 1928, Utah State Agricultural College	
E.E. 1925, University of Virginia		Berg, Moncure Burke	D. C.
Allison, Andrew Vangiol	D. C.	B.S. 1927, Princeton University	
A.B. 1929, Dickinson College	Pa.	Bergert, Earl Melvin	Ohio
Amerman, George Monroe		B.S. in M.E. 1928, Carnegie Institute of Technology	
Anderson, Park Findley	Nebr.	Berry, Spencer Sherman	Va.
Arnstrom, Robert Harman	W. Va.	Biesemeier, Harold	Calif.
A.B. 1927, Harvard University	Mass.	Graduate, 1918, United States Naval Academy	
Arnold, Prescott Niles	Va.	Billings, Thomas Elton	Utah
A.B. 1927, Harvard University	Conn.	Black, Henry Franklin	Vt.
Atwood, John Gillet	Ohio	B.S. 1928, Norwich University	
Baldwin, Alfred Carleton, Jr.		Blair, John Alexander	Okla.
A.B. 1928, The University of the City of Toledo	D. C.	M.E. 1928, Cornell University	
Barbee, Carl Joseph		Blore, Stephen Walter	D. C.
B.S. in M.E. 1929, Purdue University		B.S. in E.E. 1928, University of Idaho	
Barlow, Lowell Walker	Utah	Botsford, Norman Lippincott	Fla.
A.B. 1929, University of Utah		Boykin, Robert Lanham	Ind.
Barua, Stuart Knowlton	D. C.	†Bradley, Louis Francis, Jr.	D. C.
A.B. 1929, University of Utah		Branson, Joseph Holmes, Jr.	D. C.
Beck, Flossie Arizona	Ill.	A.B. 1927, Harvard University	
Becker, William Strayer	Ohio	Brauner, John J.	N. Y.
A.B. 1923, The George Washington University		Brooks, Albert Edwin, Jr.	Tex.

Brown, F. Isabelle	D. C.	deSouza, Daniel Arthur	Va.
A.B. 1925, The George Washington University		Dickerman, George Lyman	Conn.
†Brownell, Eugene Bronson	Wash.	B.S. 1927, Middlebury College	D. C.
A.B. 1929, University of Washington		Dietz, John Edward	Mass.
Brownston, Wesley Frederick	Ore.	Douglas, Richard Alonzo	Va.
†Brush, Donald Porter	Wyo.	Drowns, Allen Crawford	D. C.
Graduate, 1929, U. S. Naval Academy		Drummond, Folsom E.	
Cady, John Parmelee	D. C.	B.Ch.Eng. 1924, Ohio State University	N. J.
Graduate, 1922, United States Naval Academy		Dubin, Bernard	D. C.
Callahan, Arthur Aloysius, Jr.	Md.	Dudley, Donald Goodnow	Va.
B.S. 1926, St. John's College		A.B. 1926, Swarthmore College	
†Callahan, Leonard Davis	Ind.	†Dunn, William McKee	D. C.
Campbell, Charles Stewart	W. Va.	A.B. 1911, Yale University	
B.S. in E.E. 1923, University of Colorado		Dutton, Lillian Bertha	Utah
Campbell, George Ball	D. C.	A.B. 1926, The George Washington University	Wash.
B.S. 1928, The George Washington University		†Dye, Eldon Hobson	D. C.
Candland, Harold Arthur	Utah	Eager, Thomas Hayward	Tex.
Cannon, Edward Lee	Va.	Edlowitz, Elia	
A.B. 1926, Duke University		Edwards, Ivan Reo	N. Y.
Cannon, Preston L.	Calif.	B.S. in M.E. 1929, The University of Texas	
Cavanaugh, Harold Rupert	N. Car.	Edwards, William Griffith, Jr.	Ark.
A.B. 1929, Duke University		B.S. in E.E. 1927, University of Colorado	
Chambers, Robert Husted	D. C.	Eldridge, John Dupree, Jr.	Md.
A.B. 1922, Harvard University		A.B. 1929, University of Arkansas	
Chapman, Leland Leon	Idaho	†Elgin, Arthur Carpenter	Mich.
B.S. in Ch.E. 1923, University of Idaho		A.B. 1923, St. John's College	
†Chesaldine, James Corbin	D. C.	Ellis, William Leigh	W. Va.
Christensen, David Harold, Jr.	Utah	A.B. 1929, Hillsdale College	Ky.
A.B. 1923, University of Utah		Ellison, Enoch Edward	Ind.
Churchwell, Dorothy Burns	D. C.	Elvove, Kady	Ohio
A.B. 1929, The George Washington University		Enyart, Byron K.	D. C.
Clapham, Wentworth Beggs	N. Y.	Evans, Norman Harold	
B.S. in C.E. 1929, The George Washington University		Evans, Robert Lee	Pa.
†Clayton, Albert Waters	D. C.	B.S. in M.E. 1929, University of Maryland	D. C.
†Coe, Bryan		†Feinberg, Joseph Thomas	
A.B. 1923, The George Washington University		Feinstein, Louise Frances	Md.
†Cohen, Bernard	Va.	Ch.E. 1929, The Rensselaer Polytechnic Institute	
Colladay, David Clement	D. C.	Finch, Eleanor Harrison	Pa.
A.B. 1929, Princeton University		A.B. 1929, Trinity College	
Conger, Bernard Wallace	D. C.	Fitzsimmons, Richard Raymond	
Conger, George William	La.	B.S. 1924, Carnegie Institute of Technology	Pa.
Coulston, Jessamine	D. C.	†Fleck, James Hering	N. Y.
A.B. 1923, Bucknell University;		Flemming, Arthur Sherwood	
M.A. 1929, University of Chicago		A.B. 1927, A.M. Ohio Wesleyan University	D. C.
Courtney, William Hasell	La.	Fletcher, William	N. Y.
A.B. 1927, Vanderbilt University;		A.B. 1929, University of Maryland	
A.M. 1923, Stanford University		Folkers, Kern Ellis	N. Dak.
†Cowley, Charles Gloyd	Utah	B.S. 1927, Dartmouth College	D. C.
B.S. 1923, Utah State Agricultural College		†Frazier, Melvin S.	
†Cowley, Moses Foss	Utah	Freedman, Cecil L.	Conn.
B.S. 1919, Utah Agricultural College		A.B. 1927, E.E. 1923, Leland Stanford University	Mass.
Daisley, Gordon Walford	Utah	Freyrer, Henry Martin	Mass.
Graduate, 1923, U. S. Naval Academy		Friberg, Carl Joseph	
Daniel, Ernest Humphrey, Jr.	Md.	†Fuller, Francis Edward	Okla.
A.B. 1929, Virginia Military Institute		A.B. 1923, Norwich University	Iowa
†Darling, Ralph Edwin	D. C.	Garber, Martin Dudley	D. C.
Davis, Arthur Marshall	N. Y.	Gates, Robert McConnell	Ga.
†Davis, Thomas Joel, Jr.	Ariz.	Gatti, Richard Stephen	Ill.
	Ga.	Gertler, Louis	Ohio
		Gignilliat, John McIver	
		Gillespie, Frank Smith	
		Glick, Oscar Billy	

†Goetz, Charles Moran B.S. in E.E. 1929, University of Colorado	Wis.	‡Jesse, Robert Wade Johansen, Chester Eugene A.B. 1929, Macalester College	W. Va. Minn.
Goode, Donald Jack	Iowa	Johnson, George Edmund	D. C.
Goodridge, Lawrence Mason	Mass.	Johnson, Robert Leo	Ga.
Graves, James Millar B.S. 1927, A.M. 1928, Harvard University	Mass.	Graduate, 1922, U. S. Naval Academy	
Gray, Robert Meade	D. C.	Just, Charles Hercus B.S. 1929, University of Maryland	Md.
Green, Bert Miller	Pa.	Justus, Chester Lee B.S. in E.E. 1928, University of Idaho	Idaho
Greenberg, Michael Harrison A.B. 1929, Lehigh University	D. C.	Kalk, Clarence Ambrose E.E. 1928, Rensselaer Polytechnic Institute	N. Y.
†Grimsdell, Frank Albert	Utah	Keasley, George Harold Ph.B. 1927, Dickinson College	Pa.
Grossman, Pauline	Ark.	Keller, William Davis A.B. 1929, University of Southern California	Calif.
†Grove, George Bowers B.S. 1928, Roanoke College	W. Va.	Kellogg, Clyde Elmer	D. C.
Grove, Roy A.B. 1928, State University of Iowa	Iowa	Kernan, Ruth Taylor A.B. 1929, The George Washington University	D. C.
Gulick, Mary Smith A.B. 1929, Randolph-Macon Woman's College	Va.	Kimball, Arthur Alden	Mass.
Gullett, James Gordon	Ill.	Klempay, Francis Joseph B.S. 1929, Carnegie Institute of Technology	Ohio
Halpern, Isadore Harry	D. C.	Kivlitzky, Boris Max	D. C.
Hammar, Ralph B.S. and M.S. in E.E. 1927, The Massachusetts Institute of Technology	N. H.	Knight, Frederick Hawley B.S. in E.E. 1928, Worcester Polytechnic Institute	Vt.
Hammerness, Clarence Rudolph	D. C.	Lacey, Trammell Calhoun A.B. 1927, University of Texas	Tex.
†Hammond, Benjamin Miles B.S. 1922, University of California	D. C.	Latimer, Cecil B.S. in E.E. 1925, Georgia School of Technology	Fla.
Harris, George Alexander	Del.	Lawton, Alethes Helen	D. C.
Harris, Ralph Percival A.B. 1928, The George Washington University	N. Y.	Layton, Philip Raymond	Colo.
Hecker, George Theodore A.B. 1927, The George Washington University	W. Va.	Ledman, Hornbaker Bradford	Va.
Helmke, Margaret	Calif.	Lee, Edward Myers B.S. 1922, College of William and Mary; B.S. 1925, Massachusetts Institute of Technology	D. C.
Hendricks, John Everett B.S. in E.E. 1929, The George Washington University	Calif.	†Leigh, Alfred Day LeRoy, John Pound	Va. D. C.
†Henninger, Pern Emerson	Pa.	Lindquist, Willis John	Minn.
Herrick, Philip Field A.B. 1929, Williams College	D. C.	Listerman, Wayne Lieberth A.B. 1928, Miami University	Ky.
High, Edward Louis B.S. in C.E. 1929, University of Michigan	Pa.	Logsdon, DeEarle Monros	Ind.
Hillia, Haston Franklin	Ind.	Lowdon, Graham Norris B.S. 1929 Washington and Lee University	D. C.
†Hitch, Robert Agricola B.S. 1929, University of Maryland	D. C.	MacDonald, Thomas Ross B.S. 1929, The Massachusetts Institute of Technology	Mass.
Hodge, Alden Warne A.B. 1928, University of Maryland	D. C.	Macgill, Winsfield Scott, Jr. B.S. 1928, University of Virginia	Md.
Hodges, Harris Hamlin Ph.B. 1929, Brown University	Md.	Mackey, Harry S. E.E. 1929, Cornell University	N. Y.
Holden, William Sutherland	Idaho	†Major, Ruth Fales	D. C.
Hoof, Wilson Lee	D. C.	Mallonnee, Lester Earl	Md.
Hoover, Elmer Earl	Kans.	Mantell, Leon Michael	N. Y.
Hoover, Margaret	Md.	Martin, Henry Stanley	Idaho
†Hopkins, David William A.B. 1920, University of Iowa; A.M. 1928, University of Missouri	Mo.	Mather, Fred Elbert B. S. 1895, University of Illinois	Ill.
Horsley, Arthur Samuel	Utah	Matson, Frederic Church E.E. 1929, Lehigh University	D. C.
Howlett, Thomas Deuton A.B. 1929, Kalamazoo College	Mich.	Matteson, Frederick Lewis, Jr. B. S. in C.E. 1925, Rose Polytechnic Institute	Ind.
†Anson, Nannie Armistead	D. C.	Matteson, Carvel B.S. 1928, University of Utah	Utah
Jackson, Arthur Hulon	Utah		
Jarman, Janius Thomas B.E. 1927, University of Mississippi	Miss.		

Melville, H. Arlo	N. Dak.	Norton, Percy Tennent	Tex.
B.S. 1926, University of North Dakota		A.B. 1928, The University of Texas	Mont. Wash.
†Meyer, Ralph Griffith	Ill.	†O'Brien, James Harold	
†Miller, Bruce Ervin	Ohio	†Olson, Earl Stanley	
Miller, Florian George	Pa.	B.S. 1927, University of Washington	N. Mex.
B.S. in M.E. 1929, University of Michigan		†Olson, Mabel Evelyn	Md.
Miller, James Harold	Pa.	A.B. 1929, The University of New Mexico	
A.B. 1929, Juniata College		†Page, William Tyler, Jr.	Ohio
Miller, Jay Howard	N. J.	A.B. 1930, University of Maryland	W. Va.
†Milmore, Oswald Herman	Calif.	†Papulias, George John	Colo.
B.S. 1929, University of California		Parrish, Eldon Maton	D. C.
Mitchell, Olin Verna	Ohio	Parsons, George Samuel, Jr.	Ala.
B.S. in E.E. 1929, Carnegie Institute of Technology		Parsons, Verna Lenore	
*Mitchell, Peter Judson	Iowa	Patterson, George Daniel	Iowa
Mitman, Harry Ammon	Pa.	B.B.A. 1928, Emory University	
Ch.E. 1924, Lehigh University		Pedersen, Lawrence B.	N. J.
†Morris, Henry McAllen	D. C.	A.B. 1926, Grinnell College	Ga.
A.B. 1923, Davidson College;		Pellecchia, Pellegrina James	
A.M. 1929, The George Washington University		*Perdue, Helen Newman	D. C.
Morris, Walter Newth	Pa.	A.B. 1926, Wesleyan College	
Mulligan, Rex Phillip	D. C.	Peverill, William LeRoy	D. C.
B.S. in C.E. 1929, The George Washington University		B.S. in M.E. 1927, University of Maryland	D. C.
Murdock, Francis Joseph	Utah	Phillips, Laurence Akers	Va.
Murphy, Harold Warner	Ind.	Phillips, Lucas Dellam	N. Y.
†Muth, George Edward	D. C.	Pisarra, Francis Joseph	Del.
McClellan, Sidney	Idaho	*Pool, John Cochran	
A.B. 1927, University of Idaho		A.B. 1927, University of Delaware	Me.
McClelland, Casper Shepard	Pa.	Powell, Harold Neally	
McGann, Burton Allen	D. C.	B.S. in C.E. 1929, University of Maine	N. C.
A.B. 1929, The University of Maryland		Proctor, Ralph Lowe	N. Y.
McGregor, Daniel P. K.	Hawaii	A.B. 1927, Duke University	Va.
McInnis, Marcellus	Ala.	Rabinowitz, Gilbert	
B.S. 1928, University of Alabama		Randolph, Cary Jacqueline	
*McIntyre, Reita Lyons	N. C.	A.B. 1927, University of Virginia	Tex.
A.B. 1928, The North Carolina College for Women		Rawalt, Luella Marguerite	Mont.
*McKay, John Andrew	Iowa	†Reardon, Donald	Pa.
†McKnight, Charles Maurice	Okla.	Reinsmith, Harold George	Aric.
B.S. in M.E. 1929, Purdue University		*Renshaw, Harry Noon	
McNeill, George Hamilton	D. C.	A.B. 1928, University of Arizona	Md.
A.B. 1929, Wake Forest College		Rice, Roland McLaren	D. C.
†Nash, Paul Revere	D. C.	A.B. 1929, American University	Ohio
B.S. in E.E. 1922, Massachusetts Institute of Technology		*Richardson, William Burton	Kans.
Neilson, George D.	Utah	Richey, Robert Charles	Okla.
B.S. 1928, Utah State Agricultural College		Riddle, David Lindsay	Utah
†Newberry, Dolan M.	Tex.	Rinehart, Theodore A.	Ohio
Newlin, John Wigton	Pa.	†Roberts, Ralph S.	
Newlin, Theodore Frelinghuysen	Pa.	Robertson, Donald Wagner	W. Va.
Newton, Edward Taylor	Ga.	B.S. in M.E. 1924, Case School of Applied Science	
B.S. in E.E. 1926, Georgia School of Technology		Rodgers, George Christman	Va.
Nolan, James Edward	Mass.	B.S. 1929, Davis and Elkins College	Pa.
B.S. in E.E. 1926, Tufts College		†Rohrer, Carl Pepper	
Nold, Marie Cuthbertson	Minn.	Rosenberry, Wellington Hendricks, Jr.	Va.
A.B. 1919, The George Washington University		A.B. 1929, Pennsylvania State College	N. Y.
Nordlinger, Bernard Isaac	D. C.	Rosenthal, Anne Henrietta	
A.B. 1929, The George Washington University		*Rosenthal, Jacob	
Norris, Henry Gladden	La.	A.B. 1928, A.M. 1929, The George Washington University	Mass.
Norris, John Gilbert	D. C.	Rosoff, Leo	D. C.
Norton, Francis Allen	Ark.	Rule, Raymond	D. C.
A.B. 1929, Osachita College		Ryerson, John Edward	
		A.B. 1928, University of Maryland	

Ryhn, Arthur Marion	Idaho
Rypinski, Jacob Emanuel	
E.M. (Engineer of Mines) 1910,	
Columbia University	N. Y.
†Saltzman, Frank Reno	D. C.
Scheffer, Paul Eugene	W. Va.
Schofer, Harry Nathaniel	D. C.
B.S. in C.E. 1929, The George	
Washington University	
Schofield, William Wilcox	D. C.
†Schwartz, Sam	Conn.
Scoredos, Crist G.	D. C.
A.B. 1925, The George Wash-	
ington University	
Seegmiller, Keith Lorraine	D. C.
Seibold, Myron James	Pa.
B.S. in E.E. 1929, Carnegie In-	
stitute of Technology	Utah
Sessions, DeForest Edwin	Ohio
†Shankland, Robert Sherwood	
B.S. 1929, Case School of Ap-	
plied Science	
Sharp, Freeman Wilfred	D. C.
†Shelton, Frederick DeWitt	Mo.
A.B. 1916, Drury College	
Sherwood, William Earl	Ky.
B.S. in M.E. 1927, University	
of Kentucky	
Siler, Aldine Kieffer, Jr.	Pa.
†Sills, Stephen	D. C.
Simms, George Dyson	Va.
A.B. 1929, The George Wash-	
ington University	
Simon, Louis	N. Y.
Simpson, Eugene Hassett	D. C.
B.S. 1925, University of Cali-	
fornia	Iowa
Sitz, Walter Hoersch	
Graduate, 1916, U. S. Naval	
Academy;	
Smith, Lewis Mercer	D. C.
Ph.B. 1929, Yale University	
Smith, Ray Leonel	D. C.
B.S. in E.E. 1924, Kansas State	
Agricultural College; M.A.	
1927, The George Washing-	
ton University	
Smith, Reginald Frank	Pa.
C.E. 1929, Lehigh University	
Saure, Anne	Md.
A.B. 1928, The George Wash-	
ington University	
†Snyder, Albert Ralph	D. C.
Snyder, Henry Sol	D. C.
Spangler, George Wilt	Pa.
A.B. 1927, The George Wash-	
ington University	
Spasoff, John	Calif.
B.S. in E.E. 1920, The George	
Washington University	
Sterritt, John Calhoun	Pa.
M.E. 1928, Cornell University	
Still, Samuel Hutchins, Jr.	S. C.
A.B. 1929, The Citadel	
Stover, John Lewis	
Strizak, Joseph Peter	Pa.
B.S. in E. E. 1928, Carnegie	Ind.
Institute of Technology	
Stull, Harold Webster	Pa.
A.B. 1923, The Pennsylvania	
State College	
Styner, Truman Leonard	Idaho
B.S. in E.E. 1923, University	
of Idaho	
Sullivan, George David	N. Y.
Graduate 1927, U. S. Naval	
Academy	
Sumerhays, Joshua Bennion	Utah
Summers, Frank Calhoun	Nebr.
B.S. in C.E. 1929, The Univer-	
sity of Nebraska	
Swinburne, Arthur Francis	D. C.
Taylor, William Morris	Calif.
Thornton, Joseph Eugene	Nebr.
Thulemeyer, Lawrence Carrington	Wyo.
Tillotson, John Wallace	Ill.
Tomelden, Arturo Antonio	D. C.
B.S. 1924, Catholic University	
Trilety, O. Edward	Nebr.
A.B. 1928, The George Wash-	
ington University	
Turkel, Harry Raymond	D. C.
A.B. 1927, Stanford University;	
A.M. 1928, Harvard Univer-	
sity	
Turner, Bedford Hackett, Jr.	Md.
†Turoff, Dora Miriam	D. C.
A.B. 1929, The George Wash-	
ington University	
Twining, Merrill Barber	D. C.
Graduate, 1923, U. S. Naval	
Academy	
Van Camp, Frederick William	S. Dak.
Van Houten, Scranton Coit	Ill.
B.S. 1924, McKendree College	
Veach, John Logan, Jr.	Ill.
Vendel, John Robert	Ind.
B.S. in C.E. 1929, Rose Poly-	
technic Institute	
Venezky, Julian	Md.
*Volkert, Mona Henrietta	Wis.
Ph.B. 1926, University of Chi-	
cago	
Wallace, George Lloyd	D. C.
Graduate, 1923, U. S. Naval	
Academy	
Wallace, Jesse Rink	Ill.
Graduate, 1922, U. S. Naval	
Academy	
*Ward, Edward Joshua	D. C.
A.B. 1902, Hamilton College	
Weisbrod, William Gustavus	Wis.
Wilkins, Gordon Armstrong	Va.
A.B. 1926, University of Rich-	
mond	
Williams, Nelle Louzene	Mich.
*Windsor, Norma	D. C.
A.B. 1929, The George Wash-	
ington University	
Windsor, Paulina	D. C.
Worsley, L. Elisha	N. C.
Wylie, Ben Montgomery	Tex.
A.B. 1911, Southwestern Uni-	
versity	
Young, Ford Evans	Md.
†Young, Walter Hopkins	D. C.
A.B. 1924, Ohio Wesleyan Uni-	
versity	
Zangwill, Bernard Louis	D. C.
B.S. in E.E. 1929, Massachu-	
setts Institute of Technology	

Press, Emil (C.E.)
 Radue, Richard G. (M.E.)
 Riley, Thaddeus A. (C.E.)
 Rooser, Haskell P. (E.E.)
 Ross, Frances P. (Chem. Eng.)
 Scott, Paul F. (E.E.)
 Seavey, James Thomas (E.E.)
 Shearer, Howard E. (M.E.)
 Sherman, Kenneth Lee (C.E.)

D. C. Sullivan, Verne Raymond (M.E.) Wis.
 D. C. Swingle, Lester Monroes (M.E.) D. C.
 Mo. Thom, George Chester (E.E.) D. C.
 D. C. Tomlin, Carl William (E.E.) Mo.
 D. C. Tucker, William Armistead (M.E.) D. C.
 D. C. Voigt, Otto Dennis (C.E.) D. C.
 D. C. Walter, Lawrence George (E.E.) D. C.
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†Brown, Audrey A.	D. C.	Crowley, Mary Katherine	D. C.
Brown, Thomas Moore	Fla.	Cullen, Virginia C.	D. C.
Burch, Helen Regina	D. C.	Cummings, James E.	D. C.
Burch, Irma Louise	D. C.	†Darr, Verna E.	D. C.
Burk, Margaret Melissa	D. C.	Dawson, Dorothy Finckel	D. C.
Campbell, Marion William	D. C.	Deener, Elizabeth Margaret	D. C.
Cannon, Susan Ruth	D. C.	†Driver, Crystal L.	Va.

FRESHMEN		
Burroughs, Alice Ruth	Md.	Mamari, Pablo Palomer
Butler, Edward Fox	Va.	†Massoletti, Lillie
Church, Edith Maude	Va.	Muir, Vera Helen
Compton, Cora Pearl	Ark.	Munsey, Louise Blair
†Cook, Gertrude	Minn.	Ogden, Mary A.
Curtis, Nelle C.	D. C.	Palmer, Grace Croswell
†Daniels, Margaret E.	N. J.	†Roberts, Fern V.
Dawson, Mary Anne	D. C.	Rose, Luel T.
Duke, Florine R.	D. C.	Sanborn, Ella Louise
†Ford, Irene	D. C.	†Sanderson, Alice Irene
Friskie, Kenneth Walden	D. C.	†Schwartz, Sylvia Teresa
Garrett, Patsy	D. C.	Scott, Marion E.
†Gary, Robert Varney	Va.	†Shaw, E. Carey
Handy, Effie Bruce	D. C.	Siegrist, Marie Louise
Harlan, Frances M.	D. C.	Simpson, Carol Louise
Hatcher, Margery	D. C.	Somera, Antonio S.
Hill, Dorothy Vernon	Ind.	†Staggers, Elaine
Hughes, Louise R.	D. C.	Strobel, Ruth Alberta
James, Louise	Md.	†Taylor, Bessie Eastlack
Kesnecker, Mary M.	Va.	Terry, Esther Tuttle
Keith, Dallas	D. C.	†Wilson, Elizabeth Gilpin
†Kiernan, Helen Cogaa	D. C.	Wilson, Emma
Lepper, Georgia Hummer	Md.	†Wool, Ethel
London, Meta R.	D. C.	Young, Beulah Adams
Macdulla, Mary Rosina	D. C.	Yowell, Olga V.
Mamari, Mateo L.	P. I.	

P. I.	†Benham, Margaret	D. C.
D. C.	Bowen, Cora R.	Md.
D. C.	†Bowden, Bernice Saunders	Md.

D. C.
Md.
Md.

†Breiler, Dora Goldiner
Brown, Kathryn Isabel
Buckler, Edythe Annie
Burris, Henrietta
Busick, Cornelia Elizabeth
Campbell, Ruth
Carroll, Eleanor N.
Clark, Elizabeth Haines
Cook, Millard James
†Diller, Hilda Marie
Donnelly, Stasia Virginia
Douglas, Marvel Anna
Drake, Beulah Jones
Duganne, Louise Randall
Earle, Mary Isabel
Edwards, Ruth Ward
Gilbert, Dorothy
Gude, Wilhelmina Catherine
†Hans, Edith B.
†Hale, Marion
Hall, Helen Beryl
Hanes, Doris T.
Harter, Helen S.

D. C. Hosterman, Catharine Elizabeth
D. C. Jaffe, Helen
D. C. †Lassly, Annie Willis
D. C. Lauxmann, Elizabeth Anne
Va. McLaughlin, Hannah C.
D. C. †Marshall, Violet A.
D. C. Matthews, Edna
D. C. †Moss, Ralph H.
Nebr. Mulholland, Elizabeth Anne
D. C. Murray, Margaret P.
D. C. †Niswonger, Lois
D. C. †Norris, Nione Edith
D. C. Parker, Edith H.
D. C. Polacoff, Yetta
D. C. Reikes, Rose
Va. Russell, Beatrice
Va. †Scanlon, Margaret H.
Md. †Scrivener, Emily
D. C. †Sisson, Abbie Mills
Tex. †Smith, Bertha Estelle
D. C. †Tuck, Ruth Elizabeth
D. C. †Warnick, Irene H.
D. C. Wilson, Nina

SPECIAL STUDENTS

†Baldwin, Elizabeth B.
Barkman, William E.
L.L.B. 1923, The George Wash-
ington University
†Billogg, Katharine R.
†Bland, Annie Ethel
†Boyle, Elizabeth G.
Bryan, Helen R.
†Burke, Howard R.
†Burlingame, Annie E.
†Carmichael, B. H.
Coe, Jean M.
†Coffman, Maidee S.
Davidson, Myrtle
†Davis, Eleanor Burch
†Deal, E. Grace
DeMarco, Mary Agnes
†Denton, Selena B.
Doyle, Catherine M.
Edmondson, Jessie Blair
†Evans, Harriet Randall
†Everett, Florence K.
†Flinn, Henry M.
Grabame, Elizabeth B.
†Gross, Rose Jeanette
†Halley, Lillian
Hankins, Ethel May
†Hannan, Loretta
Herbert, Clara Wells
†Hermann, Margaret Farber
Hess, Elfrieda Helen
†Hinton, Amy Langley
†Hobbs, Maud Greenwood
A.B. 1917, The George Wash-
ington University
Jacobs, Laura
Kalmbach, Kathryn Olin
Kelsey, Gertrude E.
King, Amy Simonds
Kirk, Page Taylor
†Latterner, Miriam I.
†Leary, Arline A.
†Logan, Francis Joseph

D. C. Lombard, Ellen Celia
D. C. †Loughran, Ada Dew
†McBride, Maude
†McCall, Marion Neilson
D. C. McCausland, Mary Littleton
Md. †Minchert, Ethelda B.
Md. †Montgomery, Ruby Smith
D. C. †Morris, Sara Roberta
Me. †Nelson, Norman Justia
D. C. †Niswonger, Estella L.
D. C. Osbourn, Eugenia Hilleary
D. C. Painter, Florence M.
D. C. †Palmer, Ethel H.
Md. Parker, Belle Cutler
D. C. Parker, Ruth B.
D. C. A.B. 1925, The George Wash-
ington University
D. C. Parsons, Gladys Crosby
D. C. †Payne, Mary Helen
D. C. Pearce, Mary J.
D. C. †Rafter, Mary E.
D. C. †Rawlings, Edna S.
Md. Rock, Robert Thomas
D. C. Rogers, Celia Marie
D. C. Saunders, Harriet F.
D. C. Schmitt, Joy Marston
D. C. †Seekford, Viola Holmes
D. C. †Smith, M. Olive
D. C. †Smith, Wallace V.
D. C. A.B. 1922, Washington Mission-
ary College
D. C. †Springman, Helen D.
D. C. Steinle, Kathryn Louise
D. C. Sullivan, Anne E.
D. C. Thaden, Lydia Hodgson
D. C. Umhau, Katherine Sophia
D. C. †Watkins, Catherine Rose
D. C. Webster, Alice E.
D. C. †Whitehead, Edmonia Powers
D. C. Wroe, Carol Walton
D. C. †Wyche, Maud Anna
D. C. †Young, Dorothy Kathryn

AUDITORS

Amidon, Clarice G.
Bogan, Annah Gray
Buell, Laura W.

D. C. Cassie, Earle Wilmont
D. C. DuBois, Evelyn
D. C. Epstein, Ruth R.

Pa.
D. C.
D. C.
D. C.
D. C.
Md.
Ga.
Pa.
D. C.
Ohio
Nebr.
Va.
Va.
D. C.
D. C.
Pa.
D. C.
D. C.
D. C.
W. Va.
Tex.

Mass.
D. C.
Nebr.
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Ohio
Va.
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Comp.
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D. C.

†Grubbs, Lottie R.
 †Kessler, Bruce Richards
 †Lowell, Ruth P.
 †McQuilkin, Charlotte B.
 Marlowe, Alice D.
 †Miller, Jessie Wells
 †Murphy, Anna Belle
 †Norris, Margaret Elinor

D. C. †Parsons, Lyle Chandler
 D. C. Price, Adele Spence
 Va. †Schmucker, Catherine Virginia
 D. C. †Shears, Helen H.
 D. C. †Stuard, Mabel
 D. C. †Whineray, Ada E.
 D. C. †Wolfenbarger, Floy

D. C.
 D. C.
 D. C.
 D. C.
 D. C.
 D. C.
 Mo.

GRADUATE STUDENTS

CANDIDATES FOR DEGREES

*Abel, James Frederick (Ph.D.) A.B. 1901, University of Nevada; A.M. 1918, Leland Stanford University; Major: Education	Nev	Cole, Margaret Cordelia (A.M.) A.B. 1929, The George Washington University; Major: Psychology	D. C.
Albert, Gertrude (A.M.) A.B. 1907, University of Iowa; Major: Education	D. C.	Cornell, Florence N. (A.M.) A.B. 1929, The George Washington University; Major: Education	D. C.
Andrews, Elizabeth M. (A.M.) A.B. 1923, The George Washington University; Major: Education	D. C.	Craig, Sam Baughman (Ph.D.) A.B. 1923, Centre College; A.M. 1928, The George Washington University; Major: Education	Ky.
Bellamy, Alexander M. (Ph.D.) Diploma, Technical College, Kassa, Hungary—Master's Diploma in Education; 1919, The George Washington University; Major: Education	N. Y.	Crowley, Francis Michael (Ph.D.) A.B. 1916, Holy Cross College; A.M. 1923, Georgetown University; Major: Education	D. C.
Blam, Janice (A.M.) A.B. 1925, The George Washington University; Major: Education	D. C.	†Cushman, Alice W. (A.M.) B.S. 1925, University of Maryland; Major: Home Economics	D. C.
†Bolton, Helen D. (A.M.) A.B. 1921, The George Washington University; Major: Education	D. C.	Derr, Morris William (A.M.) A.B. 1921, College of William and Mary; Major: Education	Md.
Boyer, Ralph (A.M.) B.S. 1911, Oklahoma City University; Major: Education	Okla.	†Donahue, Mary Helena (A.M.) A.B. 1928, The George Washington University; Major: Education	D. C.
†Bradford, William (A.M.) A.B. 1930, The George Washington University; Major: Education	Va.	†Doonan, Katharine (A.M.) A.B. 1925, The George Washington University; Major: Education	D. C.
Brecht, Henry Harper (Ph.D.) A.B. 1911, Blue Ridge College; A.M. 1917, University of Pittsburgh; Major: Education	Md.	Doran, Sarah Loyola (Ph.D.) A.B. 1924, The George Washington University; A.M. 1926, The George Washington University; Major: Psychology	N. Y.
Brinker, Robert D. (A.M.) A.B. 1928, Marshall College; Major: Education	W. Va.	†Dore, Bernadette L. (A.M.) A.B. 1919, Trinity College; Major: Education	D. C.
Bullis, William Francis (A.M.) Graduate 1924, U. S. Naval Academy; Major: Education	D. C.	Doty, Frances V. (A.M.) A.B. 1924, University of Louisville; Major: Education	D. C.
†Burroughs, Eryene Scott (A.M.) A.B. 1920, The George Washington University; Major: Education	Md.	†Doyle, Marion Wade (A.M.) A.B. 1914, Radcliffe College; Major: Education	D. C.
Bush, Grace (A.M.) A.B. 1927, The George Washington University; Major: Education	D. C.	†Draper, Elizabeth K. (A.M.) A.B. 1924, The George Washington University; Major: Education	D. C.
†Butta, Vera H. (Ph.D.) A.B. 1925, Agnes Scott College; Major: Psychology	D. C.	†Draper, Henry White (Ph.D.) A.B. 1909, The George Washington University; A.M. 1922, The George Washington University; Major: Education	D. C.
†Byler, Emma S. (A.M.) A.B. 1928, The George Washington University; Major: Home Economics	D. C.	†Dufour, Arline H. (A.M.) A.B. 1920, The George Washington University; Major: Education	D. C.
†Carlson, Frieda M. (A.M.) A.B. 1916, Millsaps College; Major: Psychology	D. C.		

- Lohmann, Elsa (A.M.)
A.B. 1927, The George Washington University; Major: Education
- Loman, William Moore (Ph.D.)
A.B. 1927, The George Washington University; A.M. 1928, The George Washington University; Major: Psychology
- Long, Edgar F. (Ph.D.)
A.B. 1911, Blue Ridge College; A.M. 1916, University of Kansas; Major: Education
- Long, Pauline Yates (Ph.D.)
A.B. 1926, The George Washington University; A.M. 1928, The George Washington University; Major: Education
- McAuliffe, Eleanor P. (A.M.)
A.B. 1929, The George Washington University; Major: Education
- Mauwaring, Hyrum (Ph.D.)
A.B. 1911, Brigham Young University; A.M. 1922, Brigham Young University; Major: Education
- Maroney, Mary M. (A.M.)
A.B. 1927, The George Washington University; Major: History
- Matthews, Etta Helene (A.M.)
A.B. 1921, The George Washington University; Major: Education
- Monroe, Mildred (A.M.)
A.B. 1929, The George Washington University; Major: Education
- Moore, Margaret (A.M.)
A.B. 1929, The George Washington University; Major: Education
- Morgan, Mary Ellen (Ph.D.)
A.B. 1917, West Virginia University; A.M. 1924, Columbia University; Major: Education
- †Murray, Anna (A.M.)
A.B. 1925, The George Washington University; Major: Education
- †Nee, Evelyn A. (A.M.)
A.B. 1923, Trinity College; Major: Education
- Nicol, Mary B. (A.M.)
A.B. 1925, The George Washington University; Major: Education
- Parker, Vera R. (A.M.)
A.B. 1929, The George Washington University; Major: Education
- Partridge, Clara (A.M.)
A.B. 1924, Brigham Young University; Major: Education
- Payne, Nellia Angelina (A.M.)
A.B. 1929, The George Washington University; Major: Education
- Pepper, Margaret R. (A.M.)
A.B. 1926, The George Washington University; Major: Education
- D. C. Phillips, C. Estelle (Ph.D.)
A.B. 1923, The George Washington University; A.M. 1927, The George Washington University; Major: Education
- D. C. †Ritchie, Robert Ernest (A.M.)
A.B. 1928, The George Washington University; Major: Education
- Md. †Rogers, Florence Hopkins (A.M.)
A.B. 1924, The George Washington University; Major: Education
- D. C. Rouse, Mary Rosella (A.M.)
A.B. 1927, The George Washington University; Major: Education
- D. C. †Sams, Moglin Moore (A.M.)
A.B. 1923, The George Washington University; Major: Education
- D. C. †Samuel, Helen Ethel (A.M.)
A.B. 1921, Swarthmore College; Major: Education
- D. C. Schwarz, Felix Conrad (A.M.)
A.B. 1928, The George Washington University; Major: Education
- Pa. †Short, Margaret M. (A.M.)
A.B. 1929, The George Washington University; Major: Education
- D. C. †Smith, Hugh Stewart (A.M.)
B.S. 1924, Northwestern University; Major: Education
- Va. †Stallings, Mildred E. (A.M.)
A.B. 1921, The George Washington University; Major: Education
- D. C. Statham, Jeanette F. (A.M.)
A.B. 1897, Syracuse University; Major: Education
- D. C. †Steele, Mildred Estelle (A.M.)
A.B. 1925, The George Washington University; Major: Education
- D. C. Stewart, Lettie Ethel (A.M.)
A.B. 1918, The George Washington University; Major: Education
- D. C. Sullivan, Clara Parker (Ph.D.)
B.L. 1911, Brenau College; A.M. 1927, The George Washington University; Major: Education
- D. C. Tennyson, James Anna (A.M.)
A.B. 1925, The George Washington University; Major: Education
- Md. Thurston, Evangeline (A.M.)
A.B. 1926, The George Washington University; Major: Education
- Mo. Toles, Grace Mae (A.M.)
A.B. 1924, College of the Pacific; Major: Education
- D. C. †Sperry, Josephine (A.M.)
Major: Education
- D. C. Waldron, Callie S. (A.M.)
A.B. 1928, The George Washington University; Major: History
- D. C. †Walter, Lester T. (A.M.)
B.S. 1924, Pennsylvania State College; Major: Education

Waltz, George Frederick (Ph.D.) B.S. 1918, Gettysburg College; Major: Education	D. C.	Wild, Estelle P. (A.M.) A.B. 1928, The George Wash- ington University; Major:	D. C.
†Warner, Harold Ellsworth (Ph.D.) A.B. 1913, The George Wash- ington University; A.M. 1920, The George Washington Uni- versity; Major: Education	D. C.	†Woodin, Virginia (A.M.) A.B. 1926, The George Wash- ington University; Major:	Va.
Warren, Mary Beach (A.M.) A.B. 1923, The George Wash- ington University; Major:	D. C.	†Woodworth, Lynn Frank (A.M.) A.B. 1923, University of Indi- ana; Major: Education	Ind.
Waters, Suzanne B. (A.M.) A.B. 1924, The George Wash- ington University; Major:	D. C.	Wright, Nadia V. (A.M.) A.B. 1926, University of Mary- land; Major: Education	D. C.
†Wells, Elva C. (A.M.) A.B. 1920, The George Wash- ington University; Major:	D. C.	Yeck, Lois E. (A.M.) A.B. 1923, University of Wash- ington; Major: Education	Idaho
Wilcox, Blanche B. (A.M.) A.B. 1929, The George Wash- ington University; Major:	D. C.	Yeomans, Cornelia H. (A.M.) A.B. 1924, University of Texas; B.B.A. 1924, University of Texas; Major: Education	D. C.
Psychology			

STUDENTS IN ATTENDANCE

Baker, Harry A.B. 1924, The George Wash- ington University; A.M. 1926, The George Washington Uni- versity	D. C.	Green, Elsie E. A.B. 1914, The George Wash- ington University; A.M. 1923, The George Washington Uni- versity	D. C.
†Ball, Alice Arlene B.S. 1923, Simmons College	Md.	Harned, Edward Olin Ph.B. 1908, Syracuse University	Md.
†Bober, Joseph Francis A.B. 1925, Catholic University; A.M. 1926, Catholic Uni- versity	Conn.	†Heiss, Maxine A.B. 1927, University of Mary- land	D. C.
†Bradley, Mary A. A.B. 1918, Franklin College; A.M. 1926, The George Wash- ington University	Ind.	†Kinnear, Agnes A.B. 1923, The George Wash- ington University	D. C.
†Butts, Frances Moon A.B. 1919, The George Wash- ington University; A.M. 1921, The George Washington Uni- versity; Ph.D. 1925, Ameri- can University	Va.	†Kochka, Joseph L. B.F.S. 1921, Georgetown Uni- versity; A.B. 1922, The George Washington Univer- sity	N.H.
†Carrico, Lolita S. A.B. 1925, Western Maryland College	Md.	†Lathrop, Edith A. A.B. 1903, University of Ne- braska; A.M. 1917, Univer- sity of Nebraska	D. C.
Clark, Marion A.B. 1901, Western Maryland College; A.M. 1904, Western Maryland College; LL.B. 1916, The George Washington University	Md.	†Lowrey, Joe Jarman B.S. 1910, Mississippi College; A.M. 1922, Peabody College	D. C.
†Denning, Ruth Osgood A.B. 1911, Ripon College; A.M. 1923, The George Washington University	D. C.	Meckling, Frank Edmund A.B. 1929, Washington Mission- ary College	D. C.
†Fontanini, Marie E. A.B. 1925, College of St. Cath- erine	Minn.	Merritt, Margaret R. A.B. 1920, The George Wash- ington University	D. C.
Gardiner, Catherine A. A.B. 1916, University of Ne- braska	D. C.	Odom, Gertrude A.B. 1924, Milligan College; A.M. 1927, American Univer- sity	Va.
Gill, Julie Turnbull B.S. 1918, Vanderbilt Univer- sity; A.M. 1920, University of Wisconsin	D. C.	†Outwater, Kate Sorrell A.B. 1913, The George Wash- ington University; M.S. 1915, The George Washington Uni- versity	D. C.
		Stauffer, Ruth Matilda A.B. 1906, Mount Holyoke	D. C.
		White, Helen Margaret A.B. 1921, The George Wash- ington University; A.M. 1924, The George Washington Uni- versity	

THE SCHOOL OF GOVERNMENT CANDIDATES FOR DEGREES

Notes in parentheses indicate course of study in which student is engaged; i.e., Government—Gt.; Foreign Service—F.S.

SENIORS

Ferris, Nathan L. (Gt.)	N. Y.	Jue, Lemuel (F.S.)	Calif.
Harriman, Margaret Norma (Gt.)	D. C.		

JUNIORS

†Christianson, Curtis Alfred (F.S.)	D. C.	Porter, Halbert Lyndon (F.S.)	D. C.
Cushman, Robert W. (Gt.)	D. C.	Renkel, Roland (Gt.)	D. C.
Douthitt, Margaret V. (Gt.)	S. Dak.	Ring, Laurence E. (F.S.)	D. C.
Keyser, Charles Frank (F.S.)	D. C.	Ruddiman, Harry (Gt.)	D. C.

SOPHOMORES

Adams, Robert Longbridge (F.S.)	Mass.	Lee, Walter R. (Gt.)	N. Y.
Bass, John Letcher (Gt.)	Okla.	Lippold, Buels (Gt.)	Okla.
Berry, Thomas Payne (F.S.)	D. C.	Lumsden, James Alfred (Gt.)	Md.
Blake, Monroe William (Gt.)	Ohio	Manning, Helen Louise (Gt.)	D. C.
Boyer, Evelyn Deardoff (Gt.)	D. C.	Marks, Richard C. (Gt.)	Wash.
†Cheng, Nam Sang (Gt.)	D. C.	McPeak, William Wallace (Gt.)	Tenn.
Curran, Harold W. (Gt.)	D. C.	Meicer, Harry Irwin (F.S.)	Tex.
Deern, Marian (Gt.)	Wis.	Mitchell, James Mattack (F.S.)	D. C.
Eller, Evelyn Virginia (F.S.)	D. C.	Newton, Naomi (F.S.)	D. C.
Hardt, Carl Joseph (Gt.)	Iowa	Riley, James O. (F.S.)	D. C.
Harrington, Cecile Bernice (Gt.)	D. C.	Sandberg, Katherine Sophie (Gt.)	D. C.
Hayes, Hilda Gertrude (Gt.)	D. C.	Schaub, Pauline Louise (Gt.)	Va.
Johnson, James Thomas (Gt.)	Wis.	Schoenfelder, Otto William	S. Dak.
Johnson, Paul Evan (Gt.)	D. C.	Wertz, Melvin Moore (Gt.)	D. C.
Kauffman, Bertha (Gt.)			

FRESHMEN

Austin, Robert Mills (F.S.)	Wyo.	†Karrigan, Stephen Francis (F.S.)	D. C.
Baker, Robert (Gt.)	Ind.	Kleinman, Joseph (Gt.)	Va.
†Beckham, Turner Ashley (Gt.)	D. C.	Kreutzer, Marion Louise (Gt.)	Wis.
Brasch, Carolyn Mildred (Gt.)	D. C.	Lambertson, Elise (Gt.)	Kans.
Brumbaugh, Robert C. (Gt.)	Pa.	LeMenager, Henri Victor (Gt.)	D. C.
Burnside, Melmon L. (F.S.)	Mass.	Liebler, Margaret Antoinette (Gt.)	D. C.
Clift, Silas Earl (Gt.)	D. C.	Makari, Oscar Raymond (F.S.)	Wyo.
†Collins, Richard Lovett (Gt.)	D. C.	McAtee, Alice E. (Gt.)	Va.
Crocker, J. Allen (F.S.)	Md.	McCaddon, Elizabeth (Gt.)	Ohio
†Davidson, Florence (Gt.)	Md.	†McLaughlin, Malcolm (Gt.)	D. C.
Davison, Noble E. (Gt.)	Ohio	Mohogen, Verna C. (Gt.)	N. Dak.
Drawbaugh, William Bradford (Gt.)	Md.	†Monies, William Nelson (Gt.)	D. C.
Earle, J. Richard (Gt.)	Pa.	†Murphy, James Bartholmew (Gt.)	D. C.
Engleby, Charles (F.S.)	D. C.	Nugent, Cornelia Agatha (F.S.)	Va.
Evans, Louise Ellis (Gt.)	D. C.	Ott, Edward Mason (Gt.)	D. C.
Fales, Warren Dexter (Gt.)	D. C.	Owen, Frances Eleanor (F.S.)	D. C.
†Fenwick, Helen W. (Gt.)	S. Dak.	†Parker, Louise L. (F.S.)	D. C.
Fisher, Raymond Adams (F.S.)	Md.	†Pickens, Henry Batcheller (F.S.)	D. C.
Folk, Alwyn Vaughan (Gt.)	Md.	Pollock, Blanche S. (F.S.)	Mass.
†Forbes, James David (F.S.)	D. C.	Rappolt, John Paul, Jr. (Gt.)	D. C.
Fowler, Marion Alberta (Gt.)	D. C.	Richards, Arthur L. (Gt.)	Calif.
Francis, James Harmon (Gt.)	D. C.	†Ripple, Esther May (Gt.)	D. C.
Gates, Theodore Hagan (Gt.)	Va.	Savage, Robert (F.S.)	Va.
Gibbons, William Franklin (F.S.)	D. C.	Schuele, Helena A. (Gt.)	D. C.
Gibson, Betty Wise (F.S.)	D. C.	Smith, Erith MacDonald (Gt.)	D. C.
Goldman, Norman Leaslie (Gt.)	D. C.	†Smith, Michael Paul (F.S.)	D. C.
Hardy, Clifford L. (F.S.)	D. C.	†Strauss, Charles B. (Gt.)	Conn.
Haskins, Frederic Jennings (Gt.)	Ind.	Tillson, Albert Holmes (Gt.)	Va.
Holmberg, Carl N. (F.S.)	D. C.	Webber, Winston W. (F.S.)	Va.
Jarvis, George Young (Gt.)	D. C.	†White, Jack Quincy (Gt.)	Ga.
Joiner, Fredrick H. (Gt.)	Md.	†White, J. Everett (Gt.)	Calif.
Jones, Francis W. (Gt.)	Calif.	Wilson, Jane Elizabeth (F.S.)	Ky.
	N. Y.	Wright, Louise (F.S.)	Ill.
	D. C.	†Yontz, Charles Allen (F.S.)	D. C.
			W. Va.

UNCLASSIFIED

†Coberly, James H. (F.S.)	W. Va.	Raymond, Mary Jane (F.S.)
†MacDonald, Guy Thornton (F.S.)	Ala.	†Riggins, Glendmar Uriah (Gt.)
†Morrill, Giles Oliver (Gt.)	Wash.	Wang, Tsau Chi (Gt.)
Nestor, Henry Charles (F.S.)	Nebr.	†Weaver, Charles Rowland (Gt.)

D. C.
Tex.
China
Iowa

SPECIAL STUDENTS

Furlong, Helen

Md.

THE DIVISION OF LIBRARY SCIENCE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

SENIORS

Beall, A. Katharine
Brooks, Janeiro V.
Coon, Eleanor E.
†Davenport, Mortimer
DeBerry, Myra J.
Dunnigan, Elinor Elizabeth
Egli, Clara

D. C.	LeGear, Russell	Tex.
D. C.	†Miller, Charles Herbert	Md.
Va.	Peake, Evelyn Frances	Va.
D. C.	†Rees, Elizabeth Mackay	D. C.
Va.	†Sanger, Harriet Louise	D. C.
D. C.	Styron, Elizabeth Burroughs	D. C.
N. J.	Tuneeff, Dimitry D.	D. C.
	Whitney, Virginia C.	D. C.

JUNIORS

Aasen, Grace H.
Anderson, Ellen Lamson
Basim, Florence Lucille
Bird, Margaret A.
Carlson, Ruth Edith
Chapple, Jane E.
Clarke, Rosamonde N.
Greenwood, Katherine E.
Jones, Sarah Ann
Keim, Marjorie H.

N. Dak.	Likens, Miriam E.	D. C.
Va.	Lobingier, Evelyn Grace	Calif.
D. C.	Neu, John A.	Va.
Iowa	Rutter, Ella P.	D. C.
D. C.	Sanford, Anna Laura	D. C.
Mont.	Smith, Lester Allan	Okla.
D. C.	Smith, Mary P.	W. Va.
D. C.	Throckmorton, Olga Estelle	D. C.
Ky.	Wright, Roberta Dennis	D. C.
D. C.		

SOPHOMORES

†Elliott, Mary Frances
Gerry, Katharine
Gingras, Helene Marie
†Jordan, Laura Sale
Ketchum, Miriam B.
Latner, Josephine
Link, Anna Moore

Fla.	Livingston, Ruth Ann	D. C.
D. C.	Mathews, Clara W.	D. C.
D. C.	†Pulliam, Lucie Lee	Ind.
D. C.	†Shipper, Mary Fravel	W. Va.
Ga.	Sinclair, Barbara	D. C.
D. C.	Willis, Illa M.	Utah
W. Va.		

FRESHMEN

†Bresnahan, Gertrude Steele
†Daly, Agnes C.
†Glover, Jewell I.
Golze, Beatrice
Hamill, Harold Louis

D. C.	†Hesterburg, Margaret Madeline	D. C.
D. C.	Luce, Charlotte Priscilla	D. C.
D. C.	†Notelevitz, Sylvia	D. C.
D. C.	Thorne, Francis B.	D. C.
D. C.		

UNCLASSIFIED

Brown, Erma
A.B. 1922, The George Wash-
ington University
†Fravel, Margaret Virginia
A.B. 1923, The George Wash-
ington University
†Kees, Nanele A.
A.B. 1926, University of Min-
nesota
Lawrence, Claude T.
Lentz, Ruby Fay
A.B. 1927, Catawba College

Mo.	Mitchell, Virginia Rodier	D. C.
	†Rosenfeld, Della	Pa.
Va.	Slavens, Wylma Frances	D. C.
	B.P. 1913, State Teachers Col- lege, Springfield, Mo.	
Minn.	Stevens, Dorothy Elizabeth	N. Y.
	A.B. 1919, Alfred University	
D. C.	Thomas, Anna Louise	D. C.
N. C.	Ph.B. 1922, University of Chi- cago	
	Young, Isabella Frances	D. C.

SPECIAL STUDENTS

Banks, Julia Ford
†Bateman, Louise
Benfer, Mary Celia
A.B. 1923, The George Wash-
ington University
†Black, Lydagene
A.B. 1929, The George Wash-
ington University
Butt, Joseph Vivian

Va.	Carpenter, Mary Williams	D. C.
D. C.	†Chisholm, Catherine	Md.
D. C.	†Cooksey, Blanche Eugenia	D. C.
	DeButta, Rebbie	Va.
Tex.	DeVeyber, Marguerite E.	Md.
	Dodge, Beatrice	D. C.
	Dunn, Mary Florence	D. C.
D. C.	Ebert, Cara E.	W. Va.
	A.B. 1929, Goucher College	

Fallon, Margaret Stewart A.B. 1926, The George Washington University	D. C.	Moore, Mildred J. A.B. 1920, The George Washington University; A.M. 1929, The George Washington University	Va.
Feldstone, Katie	D. C.	Needham, Elsa Ann	D. C.
†Fort, Hazel	Tenn.	Nelson, Annie Rebecca	D. C.
Fox, Elsie Anna	N. Y.	Nelson, Della	D. C.
Grant, Elizabeth Horigan	D. C.	†Nicholson, James R. C.	D. C.
Hall, Frances M.	Minn.	A.B. 1918, University of Kansas	D. C.
†Harrison, Lolla Smith A.B. 1929, The George Washington University	Ga.	Parsons, Ann A.	D. C.
Heisey, R. Frances	D. C.	Payne, Golda Smith	D. C.
Henderson, Gladys E.	Md.	Pendleton, Elizabeth R.	S. C.
Holdridge, Anna P. I.	D. C.	A.B. 1922, Converse College	D. C.
Huddle, Miriam West	Ohio	†Petty, Charlotte Anne	D. C.
†Huntington, Zena Dinehart	Ind.	Phillips, Edith Sewall	Ohio
†Hutchison, Lillian R. A.B. 1927, The George Washington University	D. C.	Pilliod, Rosine	D. C.
Jones, Lenora	Me.	†Pyle, Elizabeth Adaline	D. C.
†Krause, Flora B.	Ga.	†Quinn, Elizabeth May	D. C.
†LaMontagne, Leo Eugene	Me.	†Shellhammer, E. Marion	D. C.
A.B. 1926, Holy Cross College		†Thrift, Sally Marian	D. C.
Lewter, Ruth Ray	Va.	Tucker, Marion Louise	D. C.
McBride, Alline V.	D. C.	Van Brakle, Elizabeth	D. C.
McCallig, Virginia H.	D. C.	A.B. 1928, Swarthmore College	D. C.
Marshall, Miriam Ivy	D. C.	Warner, Anna Parker	D. C.
†Metro, Elizabeth J.	D. C.	Warner, Natalie Adrianova	Fla.
Monahan, Esther Cody	D. C.	Watson, Sarah Thornton	Va.
†Moore, Angela	D. C.	Williford, Mildred E.	Ill.
Ph.B. 1924, University of Chicago	D. C.	Wilson, Creola Daniel	Iowa
		Wood, Edith Bernice	
		Zoller, Mary Catharine	

GRADUATE STUDENTS

Beitzell, Mary L. (A.M.) A.B. 1922, Notre Dame College	D. C.	†Winter, Violet Elizabeth (A.M.) A.B. 1928, The George Washington University	D. C.
Walton, Anna Strickler (A.M.) B.S. 1897, Waynesburg College	Va.	Wise, Virginia Ruth (A.M.) A.B. 1929, The George Washington University	D. C.

THE DIVISION OF FINE ARTS

CANDIDATES FOR DEGREES

SENIORS

Brown, Edward, Jr. (Arch.)	Va.	Mahlman, Frederick Henry (Arch.)	Nehr.
Childrey, Morrie Pender (G.A.)	D. C.	Poele, Manly Hardee (Arch.)	Va.
Kane, Margaret Catherine (Arch.)	D. C.	Townsend, Frances Lesley (Arch.)	Mass.
Koefauver, Lester S. (Arch.)	Md.	Zimmerman, Elizabeth Lewis (Arch.)	D. C.
LeMerle, Eugenie (Arch.)	D. C.		

JUNIORS

Abel, Joseph Henry (Arch.)	D. C.	McDougal, Warren Vincent (Arch.)	D. C.
Ciango, Dominic Frank (Arch.)	D. C.	McHugh, J. M. (Arch.)	Va.
Clarvoe, Russell H. (Arch.)	D. C.	Miles, Jeanne Patterson (G.A.)	D. C.
Darton, Arthur B. (G.A.)	D. C.	Minno, Alfred Hamilton (Arch.)	D. C.
Folsom, Eleanor (G.A.)	Va.	Schaub, Morris J. (Arch.)	D. C.
Hutchison, Dan William (Arch.)	Mo.	Spano, Edward Romualdo (Arch.)	D. C.
Jester, Leon Wright (Arch.)	Fla.	Weihe, Edwin Armstrong (Arch.)	D. C.
Lynn, Wallace Parsons (Arch.)	Md.	Winn, Arthur Estes (Arch.)	D. C.
Marshall, Murray L. (G.A.)			

SOPHOMORES

Armstrong, Howard W. (Arch.)	Va.	†Matthews, Shaw Hall (Arch.)	Ga.
Brinkley, Mary Hamilton (G.A.)	D. C.	Moss, Miriam Edith (G.A.)	D. C.
†Burleson, Jenny M. W. (G.A.)	D. C.	Owens, James Uberta (Arch.)	D. C.
†Carter, Esmogene Pickrell (Arch.)	Va.	Rader, Merlin Alva (Arch.)	D. C.
Hodge, Ralph W. (Arch.)	D. C.	Sisson, William Eliason (Arch.)	N. C.
Jumper, Charles Henry (Arch.)	D. C.	Stanley, William S. (G.A.)	D. C.
King, Henry Edward, Jr. (Arch.)	D. C.	†Wick, Emerson William (Arch.)	D. C.
Lillie, Alfred Lloyd (Arch.)	Md.		

FRESHMEN

Albert, John Jacob (Arch.)	D. C.	†Kilerlane, Edward Martin (Arch.)	D. C.
†Ashley, Elizabeth (G.A.)	Va.	Koman, Alexander P. (Arch.)	Pa.
†Bedle, Herbert I. (G.A.)	N. Y.	Levy, D. Morton (Arch.)	D. C.
Berry, Jasper Mauduit (Arch.)	Md.	McLendon, Cecil Harold (Arch.)	D. C.
Blackburn, Arthur S. (Arch.)	Pa.	McNeill, Caroline Lee (G.A.)	D. C.
Budd, Wesley Riddle (Arch.)	D. C.	Monis, Frances (G.A.)	N. Y.
Burgess, Archie P. (Arch.)	D. C.	Morris, Mary Scott (G.A.)	D. C.
Burn, Lester T. (Arch.)	D. C.	Murray, Emily (Arch.)	N. Y.
Corey, James Edson (G.A.)	Wis.	Nathanson, David (Arch.)	D. C.
Crosby, Elizabeth (G.A.)	Pa.	Payne, Seymour Blair (Arch.)	D. C.
Dale, William John (Arch.)	D. C.	Peter, Walter Gibson, Jr. (Arch.)	D. C.
Duckett, Vernon F. (Arch.)	D. C.	Price, Gladys Josephine (G.A.)	D. C.
Ermerins, Jack F. (Arch.)	N. J.	Rasband, James Oral (Arch.)	D. C.
Fisher, Frances Caroline (G.A.)	Va.	†Reynolds, Boykin Arnold (Arch.)	D. C.
Fisher, Leila Theresa (G.A.)	N. Y.	Shoemaker, William H. (Arch.)	D. C.
Fowler, Gladys Marie (G.A.)	D. C.	Shotwell, James L. (Arch.)	Va.
Garrett, Betsy (G.A.)	D. C.	Simmons, Ben Taylor, Jr. (Arch.)	N. C.
Gibbs, Charles Neely (G.A.)	Pa.	†Smith, Homer Jay (Arch.)	D. C.
†Graham, Elizabeth (Arch.)	Mich.	Smith, Hugh Chapin (Arch.)	D. C.
Harlowe, Melba Lavinia (G.A.)	Va.	Sparks, Neal W. (Arch.)	Wyo.
Hawes, Richard Paulison (Arch.)	D. C.	Spence, John McClurkin (Arch.)	Va.
Himmelheber, Charles M. (Arch.)	D. C.	Stohl, Carl Gust (Arch.)	Ill.
James, Irene D. (Arch.)	Va.	Townsend, James Covington (Arch.)	Del.
Jett, Clifton H. (Arch.)	D. C.	Vezen, Harry Paul (Arch.)	D. C.
Kempt, Josephine Mary (G.A.)	D. C.	Wortham, Clyde H. (G.A.)	Tex.

UNCLASSIFIED

Boutin, Harold L. (Arch.)	Mo.	Ledford, Denton (G.A.)	D. C.
Flagg, Verma Mary (Arch.)	Ill.	MacMahon, William Kennedy (Arch.)	Va.
†Hayden, Richard D. (Arch.)	Mo.	Minsk, Morris Louis (G.A.)	Mass.
†Hartage, Christian Stanger (Arch.)	D. C.	†Shirley, Granville Harold (G.A.)	W. Va.
Himmelheber, Joseph Bernard (Arch.)	D. C.	†Strother, Charles R. (G.A.)	Pa.
†Johnson, Christian (Arch.)	Wis.	Young, John Frederick (Arch.)	Ill.

SPECIAL STUDENTS

‡Barnes, Robert D. B.Arch. 1929, The George Washington University	D. C.	‡James, Ruth Ellen Kalb, Dorothy Buhrman A.B. 1916, The George Washington University	Md. D. C.
Barrell, Elsie Josephine	Vt.	Kline, Donald Leslie	D. C. Pa.
Berkman, Isaac J.	D. C.	Leukhardt, John C.	D. C.
Drevo, William L.	Md.	Lillie, Rupert Ballou	D. C.
‡Eble, Hattie R.	D. C.	Luhn, Harriet Emma	Md.
‡Eckel, Julia D. E. A.B. 1929, The George Washington University	D. C.	‡McFarland, Frieda W.	D. C.
‡Fahey, Daniel Cox B.S. 1928, University of Maryland; M.S. 1929, University of Maryland	Md.	‡Parker, Cecilia M.	D. C.
‡Hess, Eva Roseberry	D. C.	‡Partridge, William Thomas, Jr.	D. C.
		‡Somerville, Clara	D. C.
		Suite, William Crandall	D. C.
		‡Volkert, Mona	Wis.

THE SUMMER SESSIONS 1929

Anonson, A. Palma			
Abbe, T. W.			
Abiera, Petronilo A.			
Adams, William Ware			
Aiton, Maude Eleanor			
A.M., National University			
Aldridge, Antonio Carson			
†Aldridge, George Telfair			
Alexander, Roy Malcolm			
Allen, James Caldwell			
Allen, Mary Louise			
Alpher, Robert Jerome			
Anda, Magnus			
Anderson, Myron Albert			
Andreen, Mrs. Florence			
Andrews, Elizabeth Marie			
A.B. 1923, The George Wash-			
ington University			
Angel, Herbert Edmund			
†Angle, Ludwell Lee			
Aponte, Faustino R.			
Apter, Harry			
Apter, Leonard			
Arends, Katherine Sophia			
Arnold, Celia			
Arnold, Eugenia Maude			
Arth, Philip			
†Ashcraft, Lee Calvin			
Ask, Reynold Everett			
Atchison, Edythe Marguerite			
A.B. 1926, The George Wash-			
ington University			
Austin, Robert Mills			
Backus, Constance Annah			
Baden, Dorothy Lee			
Bailey, Alice Louise			
†Bailey, Conner G.			
Bailey, Frank E.			
Baird, Helen May			
Barnhart, Nelson Gregory			
Baker, Alida Annet			
Baker, Louis Stanford			
Baldwin, Lois			
Baldwin, Thomas Robbins			
Ball, Alice Morton			
Banker, William Howard			
Banker, Russell Ellsworth			
Bankerman, Christine Elizabeth			
Baranski, Sylvester N.			
Barnard, Caroline Fanning			
Barnes, Fred Ronald			
Barnum, Glenn Lewis			
Barrick, Katherine Elliott			
Barron, Ernest Willie			
Bartleson, Edwin L.			
Bartlett, Helen Rebecca			
A.B. 1919, Western Maryland			
College; A.M. 1922, The			
George Washington Univer-			
sity			
Berwick, Charles Frank			
Bess, Mary Etta			
A.B. 1906, Goucher College;			
A.M. 1918, University of			
Chicago			
Bateman, Roy Danby			
Bauer, George Michael			
Bauserfeld, Emil Herbert			
Banknight, Fred Steele			
Bawell, Ruth A.			
†Baxter, Elmer James			
	D. C.	Baxter, Ruth Dreher	D. C.
	D. C.	Beach, Arthur Eugene	D. C.
	D. C.	Beal, Mrs. Annie F.	Mo.
	D. C.	Beall, Anna Katharine	Md.
	D. C.	†Beall, Dorothy Joyce	D. C.
		L.L.B. 1922, The George Wash-	
		ington University; A.B. 1928,	
		The George Washington Uni-	
		versity	
	D. C.	Beall, Winifrede	D. C.
	Ohio	Beard, Mary Lewis	D. C.
	D. C.	A.B. 1929, The George Wash-	
	D. C.	ington University	
	D. C.	Beard, Richardson Dale	Md.
	D. C.	Beard, William Henry, Jr.	Md.
	D. C.	Beasley, Delmar Otis	D. C.
	D. C.	Beckham, Claire	D. C.
		Bedell, Marion Gardner	Conn.
		Connecticut College for Women	
		A.B. 1921; A.M. 1926, The	
		George Washington Univer-	
		sity	
	D. C.	Bein, Joseph David	D. C.
	D. C.	Bell, Philip Fletcher	Colo.
	P. I.	Bellony, Alexander M.	N. Y.
	Conn.	Benenson, Philip	D. C.
	Conn.	Benick, Carroll Richard	Md.
	D. C.	Benjamin, Samuel	D. C.
	D. C.	Berkeley, Elizabeth Landon	Va.
	D. C.	A.B. 1927, William and Mary	
		Berry, Samuel W.	Va.
		Berry, Elizabeth	D. C.
		Berto, Charles	D. C.
	Colo.	Bitkofer, Wilfred Alvin	D. C.
	Va.	†Bevans, Charles Irving	Md.
	D. C.	Bierman, Roberta Anna	Minn.
	D. C.	†Bild, Rudolph Franklin	Va.
	D. C.	Billings, Victor Lavon	D. C.
	D. C.	Bird, Margaret	Iowa
	D. C.	Bitman, Samuel	D. C.
	D. C.	L.L.B. Georgetown University,	
	Mass.	1922	
	N. Mex.	Bitner, Forrest Gary	D. C.
	D. C.	Blair, Alexander Browne	D. C.
	D. C.	Blair, Dorothy	D. C.
	D. C.	Blake, Monroe William	Ohio
	D. C.	Bland, Juliet Graves	D. C.
	D. C.	Blew, Forrest Allen	D. C.
	D. C.	Blöse, James Frank	D. C.
	Mich.	Blum, William, Jr.	Md.
	D. C.	Blythe, Harold Hillman	D. C.
	D. C.	Blythe, Irene Thomas	D. C.
	Va.	Bogman, James A.	D. C.
	D. C.	Bonham, Vera Ruth	D. C.
	D. C.	Booth, Eleanor D.	D. C.
	D. C.	Borden, Hazel Alva	Mass.
	Ga.	A.B. 1926, The George Wash-	
		ington University	
		Borruat, Marie Elsa	D. C.
		Botkin, Eugenia	D. C.
		Bourne, Pauline Marie	D. C.
		Bowie, Frank M.	D. C.
		Boyd, Evelyn Mae	Colo.
		Boyd, Samuel B.	D. C.
		Boyden, Elbert Parker	D. C.
		A.B. 1924, Macalester College;	
		B.Th. 1927, Auburn Seminary	
		Boyer, Ralph	D. C.
		B.S. 1911, Epworth University	
		Boyle, Elizabeth Gertrude	Md.
		Boyle, Robert Joseph	Pa.

Bozievich, John	D. C.	Carey, Sheldon David	D. C.
B.S. 1929, The George Wash-		L.L.B. 1923, Georgetown Uni-	N. C.
ington University		versity	D. C.
Brady, Maurice Kirby	D. C.	Carleton, Raymond B.	Ma.
Bradford, William Werner	D. C.	Carlson, Ruth Edith	D. C.
Brinker, Robert D.	Md.	Carmack, Forrest Moore	D. C.
A.B. 1928, Marshall College		Carmack, Rose Wildman	D. C.
Brinkley, Mary Hamilton	D. C.	Caraduff, Betty (Mrs.)	W. Va.
Brinsky, Sigmund Tibor	Pa.	Carpenter, Jesse Horace	N. C.
Britton, Mary Virginia	Md.	A.B. 1922, W. Va. Wesleyan	D. C.
Broadbent, Janet Storey	Md.	College	
A.B. 1929, The George Wash-		Carpenter, Mayme Williams	D. C.
ington University		Carrico, Charles Arthur	
Brock, Wallace Donald	Fla.	A.B. 1928, The George Wash-	D. C.
Brodgers, Mary Evelyn	Va.	ington University	Va.
Brooks, Albert Edwin	Tex.	†Carter, Helen	
Brooks, Solomon	D. C.	Carver, Lynda Marie	D. C.
†Brooks, Janeiro Virginia	D. C.	A.B. 1924, The George Wash-	D. C.
Brosnan, Helen Mary	D. C.	ington University	La.
A.B. 1928, Trinity College		Cate, Leah M.	Ill.
Brower, Edgar Jay	Iowa	Caughy, Sadie	D. C.
Brown, Anita	D. C.	Cavanaugh, James M.	D. C.
Brown, Clara Emily	Iowa	Cayton, Howard	Calif.
Brown, Ernestine	Miss.	Cayton, Leon	D. C.
Brown, Herbert C.	Md.	Champion, William W.	D. C.
Brown, Hobert Elburn	Fla.	Chandler, Leland Williston	D. C.
Brown, Josephine P.	D. C.	Chase, Morris	D. C.
Brown, Southwell	D. C.	Chaconas, Thomas James	D. C.
Brown, William H.	Ark.	Cherry, Mary Y.	Va.
A.B. 1929, The George Wash-		Cheseldine, James C.	D. C.
ington University		Cheyney, Harold Eglin	Minn.
Bruce, Louise Frances	D. C.	Childrey, Morrie P.	Va.
Brush, Charles Edward	Md.	Chittick, Howard	
Bryan, Herbert Kennon	Me.	Chitwood, B. G.	
Brylawski, Julian Aaron	D. C.	A.B. 1928, Rice Institute; M.S.	Conn.
Buck, Wanda Pratt	Va.	1929, The George Washington	Ark.
Buckingham, Mary Catherine	D. C.	University	Md.
Buckley, James Lawrence	Conn.	Chrzauowski, Peter Paul	D. C.
Bunch, Jessie	D. C.	†Claborn, Houston Vernon	Va.
Bundick, Harriet Ellen	D. C.	Clark, David Spottiswood	D. C.
A.B. 1926, The George Wash-		Clark, Elizabeth Haines	Md.
ington University		Clark, Hugh K.	D. C.
Bunten, Elizabeth	D. C.	Clarke, Inda Payne	
Burke, Fannie Virginia	D. C.	Clarke, Mae-Harris	
Burlew, John S.	D. C.	Clarke, Walter Fieldhouse	
Burner, Charles Alexander	D. C.	A.B. 1903, Hampden-Sidney	D. C.
Burns, Charles Willard	D. C.	College; Ph.D. 1914, Johns	
Burns, Evelyn Marie	D. C.	Hopkins University	
Burns, Mrs. L. Y.	Wyo.	Clifford, Mary Frances	Ind.
Burr, Katharine W.	D. C.	A.B. 1924, The George Wash-	
Burr, Richard Arnold	Md.	ington University	
Burriass, Henrietta Lee	D. C.	Cline, Lula Fern	D. C.
Burroughs, Eugene Scott	Md.	A.B. 1920, Taylor University	D. C.
A.B. 1920, The George Wash-		Coakley, Roy McNeil	D. C.
ington University		Coblentz, Catherine Cate	D. C.
Burroughs, Janice	D. C.	Coe, Albert Bayston	D. C.
Burrows, Addison Ellsworth	D. C.	Coe, Abe M.	D. C.
Burton, Helen Cowan	D. C.	Cohen, David	D. C.
Burton, Mark H.	D. C.	Cohen, Milton Joseph	D. C.
Bush, Georgia Pearl	D. C.	Cohen, Walter	D. C.
Bush, Gladys Annie	D. C.	Cohn, Robert	
†Bushman, Vernon L.	D. C.	Colborn, Eva Grace	
Byer, Maurice Yale	N. J.	Cole, Margaret Cordelia	D. C.
Byers, Jason Harold	D. C.	A.B. 1929, The George Wash-	S. C.
Cadwalader, Mildred LaVerne	D. C.	ington University	Ky.
Cameron, Catharine	D. C.	Cole, Mrs. Mary J.	D. C.
Camp, Gladys H.	D. C.	Coleman, Alice Barksdale	D. C.
Campbell, Marion William	Pa.	Coleman, William Ernest	D. C.
Campbell, Myrtle	Ala.	Colison, Charles Walter	D. C.
A.B. 1929, The George Wash-		Columbus, John Joseph	Pa.
ington University		Coney, Harmon C.	
Cannon, Wayne D.	D. C.	Connaughton, Harry Norbert	
Caples, Delmas	Md.	L.L.B. 1927, Georgetown Law	
Card, Pearl Beard	D. C.	School	

Connolly, Mathias Francis	D. C.	Darby, Eleanor Nourse	D. C.
Conover, Ruth Averill	D. C.	Darling, Horace Velpeau	D. C.
Conrad, Paul A.	D. C.	Darling, Ralph Edwin	N. Y.
Conroy, Louis Newman	Utah	†Darton, Arthur	D. C.
Conway, Margaret S.	D. C.	Dauphin, Suzanne J.	Va.
Ph.B. and Ed.B. 1909, University of Chicago; A.M. 1927, Columbia University		Davis, Edward French	Va.
Cook, Bethany Balderson	D. C.	Davis, Jack Clemens	D. C.
Cook, Dorothea Allen	D. C.	Davis, Lucy M.	D. C.
Coolidge, Helen M.	D. C.	Davis, Marjorie Browne	D. C.
Coon, Eleanor E.	D. C.	Davis, Robert Fisher	D. C.
Cooper, Everett Claude	D. C.	LL.B. 1928, Harrison Law School; A.B., J.D., 1929, National University	
Corcoran, Charles Joseph	D. C.	Davis, Robert J.	D. C.
Corcova, Henry William	Vt.	Davison, Frances Myrtle	D. C.
Corra, Lois Fleming	D. C.	Day, Annabelle	D. C.
Corey, Merle Irving	D. C.	†Day, Austin Wesley	D. C.
Corson, Dorothy Marshall	D. C.	Day, Edith Kemp	D. C.
Cory, Genie	D. C.	DeFontes, Marion Teresa	D. C.
Coult, May	D. C.	DeLacy, John Richard	Md.
Couser, Norman Carlisle	N. H.	Dement, Mary Frances	D. C.
Craig, Harold Guy	D. C.	DeShazo, George Sidney	D. C.
Cox, A. Melville	D. C.	†Detwiler, Mary Harman	D. C.
Cox, Maxine Frances	Va.	DeVeyher, Marguerite E.	Md.
Cozby, Harold Otis	D. C.	Devlin, Veronica Anne	D. C.
A.B. 1921, University of Texas; M.D. 1924, University of Texas		Dewhurst, Howard Homer	D. C.
Cozby, Ruby Geneva	Tex.	Diedel, E. Ruth Briggs	D. C.
Craig, Hunter Charles	Va.	Dickerson, Edgar Marshall	D. C.
Craighill, Susan Robins	D. C.	†Dietz, James Stratton	D. C.
Cranfill, Eva	N. C.	Dishman, Lyman Haskell	D. C.
Cranwill, Alfred	D. C.	Doering, Carroll Johnson	Tex.
Crawford, Alice L.	D. C.	Dolinsky, Walter S.	N. Y.
Creedon, Sara A.	Okla.	Doody, David Francis	D. C.
LL.M. 1922, Washington College of Law	D. C.	Doran, Sarah Loyola	N. Y.
Creitz, E. Carroll		A.B. 1924, The George Washington University; A.M. 1926, The George Washington University	
Critchfield, Charles Louis	Kans.	†Dorcas, Myrtle Johns	Ohio
Crawford, Alice L.	D. C.	Dollarhide, Daniel Augustus	Pa.
Crofton, Walter Timothy	Okla.	A.B. 1916, Henderson-Brown; A.M. 1922, The George Washington University	
†Croissant, Dorothy	D. C.	Dowell, Mabel Faye	Ohio
A.B. 1927, The George Washington University		Downs, Norbert Henry	D. C.
Cronmiller, Josephine	Md.	Drake, Beulah Jones	D. C.
A.B. 1923, Goucher College; M.S. 1926, University of Pennsylvania		Draper, Mrs. Elizabeth Kohl	D. C.
Crosby, John Dyson		A.B. 1924, The George Washington University	
Crosetto, Vena Mary	Pa.	Drawbaugh, William Bradford	D. C.
Cross, Allen Slayman	D. C.	Driver, Crystal L.	Va.
Crouse, Anna Mary	Pa.	Dufour, Arline Hughes	D. C.
Crowley, Francis M.	D. C.	A.B. 1920, The George Washington University	
A.B. 1916, Holy Cross College; A.M. 1923, Georgetown University		Duganne, Mrs. Louise Randall	D. C.
Crump, Edna Land	D. C.	Dulay, Valentine Diaz	D. C.
Cruz, Angel E.	D. C.	Dulin, Roland Ernest	D. C.
Cullen, John Paul	Wis.	†Dunn, Elinor Louise	D. C.
A.B. 1928, The George Washington University		Dunn, Gordon E.	D. C.
Callinore, Howard M.		Dunn, Mary Buechler	D. C.
Callinane, Marion	Utah	Dunnavant, Lola Alice	Ark.
Culp, Ruby Leo	D. C.	A.B. 1923, Hendrix College	
A.B. 1924, The George Washington University	Okla.	Dunnavant, Zoe	Ark.
Cummings, James Edward		Durham, Lewis M.	D. C.
Cunningham, John A.	D. C.	Durnbaugh, Evelyn Grade	D. C.
Cunningham, Frederick Bruce	D. C.	Duvall, L. Lindsay Opie	D. C.
Curran, John M.	Va.	Dyer, William W.	Va.
Cushman, Robert Wood	D. C.	Dyshaw, Ruth	Minn.
Custer, Jonathan Henry	D. C.	Eakins, Pattie M.	Kans.
Dahl, Everett N.	D. C.	Earle, Robert Lindsay	Wis.
Dailey, Vivian Sophia	D. C.	Earnest, Mildred	D. C.
		Earnshaw, William Irving	Md.
		Eaton, Grace Elizabeth	D. C.
		Eberle, Katharine Sophia	D. C.

Eckerman, Howard Porter	Iowa	Fugitt, Elmer Wink	D. C.
Eddy, Grace Marie	D. C.	Fugitt, Helen Jean	D. C.
Edgerton, John Eldon	Va.	Fulcher, Roy A.	Va.
Edwards, Edith Viola	Ohio	LL.B., LL.M., 1927. National	
Edwards, Gordon	D. C.	University	D. C.
Edwards, John A.	D. C.	Fulmer, John David	D. C.
Edwards, Sterling Wallace	Md.	Furr, Roger Thomas	D. C.
A.B. 1925, Western Maryland		Fusfeld, Cecile Leban	Md.
College		Futterer, Susan Ottilia	D. C.
Egli, Clara	D. C.	Galbraith, Eva M.	P. R.
Eichner, Mildred VonEiff	D. C.	Gallardo, Jose A.	Pa.
Ekstrand, Susan Sheldon	D. C.	Gardner, Truman G.	D. C.
A.B. 1920, University of Min-		Garland, Randolph Mueller	D. C.
nesota		Garrett, Paty	Va.
Elgin, Ruth St. Clair	D. C.	Garrison, Elsie Broadbuss	D. C.
A.B. 1924, The George Wash-		Gebhard, Louis August	Pa.
ington University		Geisel, Edith	Va.
Eller, Evelyn Virginia	D. C.	Gentry, Euna Faye	D. C.
Elliott, Ralph Aubrey	D. C.	George, Claire Creamer	D. C.
Ellis, Greer	D. C.	Gerber, Louis German	Md.
Ellis, Lorna Florence	D. C.	Gerber, Pauline Gertrude	D. C.
Ellsworth, Harold Walker	Idaho	Gertler, Louis	Md.
England, Joseph Loveday	D. C.	Getty, Carolyn	Md.
Estrella, Procopio E.	P. I.	B.S. 1929, Columbia University	D. C.
Evans, Hiram S.	Iowa	Gibbs, Maude Anna	D. C.
Evans, Lois Leah	Va.	Gilman, Robert Bartram	Mis.
A.B. 1922, Lynchburg College		Ginsburg, Morris	
Evans, William Ellsworth, Jr.	D. C.	Glass, Jewell J.	
B.S. 1929, The George Wash-		A.B. 1926, The George Wash-	
ington University		ington University	D. C.
Fagan, Gertrude Katherine	D. C.	Glaubach, Nathan	D. C.
Falco, Maceo	D. C.	Glover, Jewell Isabelle	D. C.
Farr, Lionel Ballantyne	D. C.	Goldman, Joseph	Pa.
Farrell, Mary Catherine	Md.	Goldman, Samuel	Pa.
Farrington, Ada May	D. C.	Goldsmith, Harry	Panama
Feldman, Irvin	D. C.	Goldstein, Marcus Sol.	
Feldman, Lee	D. C.	Gonzalez, Clara	
Feldstone, Benjamin	D. C.	LL.M. 1929, New York Uni-	D. C.
Ferguson, Thomas S.	D. C.	versity Law School,	Mich.
Ferrer, Nicanor	P. R.	Gooch, Donald Willis	
Ferry, Charles Edmund	D. C.	Goodmoot, Kenneth	Ohio
Fessler, Clarence Manley	D. C.	A.B. 1928, Albion College	D. C.
Finegan, Paul	D. C.	Goodin, Helen Bernice	D. C.
Fisher, Josephine Anne	D. C.	Goodrich, Mazie Viola	Mass.
Fitzgerald, Roby B.	D. C.	Goodwin, William James	D. C.
Fleck, Charles Hayden, Jr.	Pa.	Gordon, Charles Lewis	
Fletcher, Evelyn Renn	D. C.	Gordon, Leon Stuart	
Flinn, Henry M.	Md.	M.D. 1928, The George Wash-	D. C.
Flippin, Charlie Miller	D. C.	ington University	D. C.
Folan, Rosa	D. C.	Gorham, Warren Abbott	D. C.
B.S. 1909, West Virginia Uni-		Goss, John Hurbert	
versity		Graff, Hilda Evelyn	
Folsom, Eleanor	Va.	LL.B. 1923, Washington Col-	D. C.
Fonoroff, David Louis	D. C.	lege of Law	D. C.
Fowler, Bruce Marsh	D. C.	Grahame, Elizabeth Beatrice	
Fox, James Fulton	Del.	Grant, Hugh Gladney	
Foxwell, Erna Ruth	Md.	A.B. 1910, Howard College;	
A.B. 1926, Western Maryland		A.M. 1916, Howard College;	
College		A.B. 1912, Harvard Univer-	
France, Floyd L.	Nebr.	sity	Md.
Frank, Abner	D. C.	Gray, Emilie Belle	Conn.
LL.B. 1927, The George Wash-		Gray, John Shapley	Mont.
ington University		Gray, Walter Thomas	Pa.
Frankel, Estelle	D. C.	Greenawalt, Lambert	
Franks, Walter Hall	D. C.	A.B. 1922, The George Wash-	D. C.
Frawley, Margaret L.	D. C.	ington University	N. Y.
Frazier, Melvin S.	N. Dak.	Greenberg, Milton M.	D. C.
Free, Harold Gustav	D. C.	Greenberg, Samuel	D. C.
Friedson, Isadore	Va.	Grey, Wheeler	N. H.
Friedemann, Lydia Emma	Okla.	Griest, Robert Alford	Md.
Friedman, Maurice	Conn.	Griffin, George Francis	Utah
Frigillana, Leon Diaz	D. C.	Griffith, Gilbert R.	D. C.
Fritz, Florence Ruth	D. C.	Grimadell, Frank Albert	
Fryer, Thelma Elizabeth	D. C.	Griswold, Nancy	

Grossman, Pauline			
Guilford, Charles Carlton	D. C.	Holder, Rosa	D. C.
A.B. 1921, The George Wash-	Va.	Holdstock, Henry Bruce	D. C.
ington University; A.M. 1923,		Hollingshead, Evelyn	Md.
The George Washington Uni-		Holmes, Franklin Austin	D. C.
versity		Hoover, Margaret	Md.
Gunter, Lawrence Wischhoff	D. C.	†Horigan, Florence Marie	D. C.
Gurley, Revere B.	Md.	Hosterman, Catharine Elizabeth	Pa.
Gurtizen, Mabel C.	Pa.	Houck, Catherine Magill	D. C.
†Hachiya, Jerua	D. C.	Hough, Eleanor Margaret	D. C.
Haddox, Horace Bolivar	D. C.	A.B. 1914, Wellesley College;	D. C.
Hagenbuch, John Robert	D. C.	A.M. 1928, The George Wash-	
Haines, Hilton D.	D. C.	ington University	
Hall, Frederick Kilby	D. C.	Hough, Romeyn Beck	N. Y.
B.T.E., 1924, Lowell Textile	Mass.	Howard, Marymae	D. C.
Institute		Howard, Paul Thomas	D. C.
Hall, Helen Beryl	D. C.	Howard, Victor Atwood	D. C.
Haller, Herbert Weaver	D. C.	Howell, Mrs. Frances Alice	D. C.
Halpern, Isadore Harry	D. C.	Hudmon, William Eliot	D. C.
†Hamblin, Lawson Orlo	D. C.	A.B. 1921, The George Wash-	
Hambrook, Robert W.	D. C.	ington University	
A.B. 1926, University of South-	D. C.	†Huenschullian, Arturo	Va.
ern California		Huey, Samuel Robert	D. C.
Hamilton, Donald Menyies	D. C.	Hufuagel, Charles Frederick	D. C.
Hance, Emma	D. C.	Hughes, Harry Robinson	Md.
Hance, Paul Edmund	D. C.	A.B. 1922, Washington Mission-	
Harlan, Ashlan Fleetwood, Jr.	D. C.	ary College	
Harris, William Henry	D. C.	Hull, Harris Benjamin	D. C.
Harrison, Margaret Norma	D. C.	Hull, Moody	W. Va.
Harris, Christopher Cleo	D. C.	Hultz, Louise C.	D. C.
Harris, F. Lucille	D. C.	Hummer, Marvin Fitzhugh	D. C.
Harrison, Beatie McK.	D. C.	Hunter, Edwin H.	D. C.
Harrison, Susan	D. C.	Hurley, Mabel Arnold	Iowa
Hartgen, William Edward	Va.	Huson, Jennie Cora (Mrs.)	Ohio
Hartley, Ethel Pierce	D. C.	Hutson, John H.	D. C.
A.B. 1917, Nebraska State Uni-	D. C.	Jackson, Carey Birdsong	Miss.
versity		A.B. 1928, Mississippi A. & M.	
Harver, Fred Fern	Md.	College	
A.B. 1925, Western Maryland		Jackson, Charles H.	Tex.
College		Jackson, Ruth	D. C.
Harwood, Kenneth Clifford	D. C.	James, Louise	Md.
Haskell, Frank B.	D. C.	Janson, Elsie Swank	D. C.
Haskins, Anne Meade	Va.	January, Roberta	Md.
Hass, Wilbert Henry	Iowa	Janz, Robert	Okla.
Haycock, Bernadine Janney	D. C.	B.S. 1929, Georgetown Univer-	
Hayward, Burgess Mackenou	Me.	sity	
Hazlett, John Conley	D. C.	Javier, Pedro Quanco	D. C.
Heal, Delight	D. C.	Jenkins, Harold Leon	Md.
Heid, Frances Evelyn	D. C.	Jessup, Daniel Arthur	Okla.
Henderson, Mary Ann	D. C.	Johnson, Carl Dalton	D. C.
†Hendrickson, Lydia	D. C.	Johnson, James L.	Ohio
L.L.B., Washington College of	D. C.	Johnson, Laskey Wanstall	D. C.
Law		Johnson, Livingston Lee	D. C.
Henkel, Amelia	Minn.	Johnson, Madge	D. C.
Henninger, Pern Emerson	Pa.	Johnson, Paul Evan	Wis.
Henricksen, Harold L.	D. C.	Johnson, Sherman E.	Mo.
Hepburn, Norman C.	D. C.	Johnson, Veda	N. C.
Hess, Laurie Floyd	Md.	Johnston, Albert Caldwell	Va.
Hetzal, Fred	Md.	Johnston, William D., Jr.	D. C.
Hetzal, John H.	D. C.	S.B. 1921, University of Chi-	
Hicks, John Aston	D. C.	cago	
Higgins, Margaret Augusta	Md.	Jones, Helen Fisher	Pa.
Hild, Eugene Witter	D. C.	Jones, James Emlyn	D. C.
Hill, Charles Daniel	D. C.	Jones, Sarah Ann	Ky.
Hill, Florence Belle	D. C.	Jones, Thomas Allen	Utah
Hill, Jane Engeborg	Ind.	Joseph, Corydon S.	Fla.
Hill, Richard A.	Md.	A.B. 1893, National Normal	
Hill, William B.	Pa.	University; A.B. 1902, Uni-	
B.S. 1924, University of Mary-	Md.	versity of Chicago	
land		Jue, Lemuel	Calif.
Hillyer, Curtis Lucius	Md.	Kafer, Oscar Adolph	N. C.
Hobbs, Marguerite Welch	D. C.	Kane, Margaret Catherine	D. C.
Holaday, Helen Edith	Ill.	Karwacki, William Stanley	Md.
Holcomb, Joseph Newton	D. C.	Katenkamp, Chester Herbert	Md.
		B.S. 1926, Johns Hopkins Uni-	
		versity	

Katzman, Morris	D. C.	Leonard, Emery Clarence	D. C.
Keating, Anne Claire	Ohio	A.B. 1915, Wittenberg College;	
Keefe, Clara Louise	D. C.	A.M. 1916, Ohio State Uni-	
Kees, Nanele A.	Minn.	versity	D. C.
B.S. 1926, University of Min-		Leonard, Frank Reuben	D. C.
nesota		Leonard, Irene	D. C.
Keil, Lewis Ernest	D. C.	Leonardo, Erminie Caroline	D. C.
Keith, Dallas	D. C.	Lepley, May Aberdeen	D. C.
†Kelley, Dennis Stafford	Va.	A.B. 1929, The George Wash-	
Kellogg, Clyde Elmer	D. C.	ington University	D. C.
Kennedy, Rena F.	D. C.	Lepman, Harry	D. C.
Kennedy, William Brent	Va.	Leltoy, Elizabeth Maude	D. C.
Kent, Ann Patrick	D. C.	Levin, Samuel J.	D. C.
Kernan, Ruth Taylor	D. C.	Levine, Abraham	D. C.
Kerna, Lucien Harper	Md.	Levy, Harold	D. C.
Kerr, Evelyn Ruth	D. C.	Lewallen, Mary Elizabeth	
†Ketchum, Miriam Blaisdale	Ga.	Lewis, Frances Irene	
†Kettler, Elsie	D. C.	B.S. 1928, State T. C. Freder-	
Keyser, Charles Frank	D. C.	icksburg, Virginia	Md.
Kiernan, Helen Cogan	D. C.	Lewis, Thomas W.	China
†Kiernan, John Edmund	D. C.	Liang, Yuen Li	
Killarney, Francis M.	Mass.	LL.B. 1926, Soochow Univer-	
Kimball, Arthur Alden	Mass.	sity	W. Va.
King, Amy Simonds	D. C.	Licklider, William Boyd, Jr.	D. C.
King, Florence	D. C.	†Liebrecht, Edward Francis	D. C.
King, H. Kendall	Va.	B.S. 1925, Virginia Polytechnic	
King, Harvey Winter	D. C.	Institute	D. C.
King, Raymond S.	D. C.	Ligon, David S.	W. Va.
Kingsbury, Clifford Harkness	Mich.	Linch, Mark Nivinson	D. C.
Kinnard, Virginia	D. C.	Link, Anna Moore	D. C.
Kinsey, Louise Hamilton	D. C.	Link, Dennis Clemence	Md.
Klatzkin, Morris Aaron	D. C.	Linthicum, Eleanor E.	N. Y.
Knapp, Ignatius Melchior	Pa.	Linville, Pauline Tomlin	Va.
Knight, Richard Dryden	D. C.	Lippy, Catherine Parker	
Knott, William Luther	D. C.	A.B. 1927, Western Maryland	Va.
Knowles, John Philip	D. C.	College	
Krajci, Samuel	Ill.	Lippy, Harry Gilmore	
Kranauer, Elizabeth Yvonne	D. C.	A.B. 1927, Western Maryland	
Knause, Flora Buist	D. C.	College	D. C.
†Kringel, Paul Foote	D. C.	Lisansky, Tessie S.	D. C.
Kuchera, Anna Ruth	D. C.	Littell, Charles H.	D. C.
Kueck, Paul Daniel	Okla.	Little, Indel Roberts	D. C.
Kupfer, Julie A.	D. C.	Little, Ruth Elizabeth	D. C.
Kushmen, Irene Cecelia	D. C.	Livingston, Ruth Ann	D. C.
Kuykendall, Nancy Blue	D. C.	Lockwood, Daniel Hammond	D. C.
Kyle, Claudia Lois	Md.	Lockwood, Margaret Mary	
Laffey, Anna	Pa.	Lohmann, Pauline	
†Lagna, Ernest Louis	Md.	A.B. 1923, The George Wash-	
Laing, John Joseph	Va.	ington University	D. C.
Kakin, Hubert W.	Ark.	Lord, Edwin	D. C.
Laleger, Grace Elizabeth	D. C.	Lord, Robert Archibald	D. C.
A.B. 1928, University of Mary-		Latta, James Bullen	D. C.
land		Louraine, Frank Eli	
Lamar, Anita	Md.	A.B. 1924, Indiana University;	
Lamoste, Angel G.	P. I.	A.M. 1926, Indiana Univer-	
Lane, Robert Phillips	D. C.	sity	W. Va.
Larcombe, John Ray	D. C.	Lowe, Nannie Rector	D. C.
Laahlee, Mary Norma	Tenn.	Lu, Da-June	D. C.
B.S. 1917, Cumberland Univer-		Ludlow, Louis Leon, Jr.	D. C.
sity		Lumsden, James Alfred	D. C.
Lauxmann, Elizabeth Anne	D. C.	Lund, Marion	D. C.
Laurence, N. Margaret	Ky.	Lutz, Mildred Maddox	D. C.
Layton, Philip Raymond	D. C.	Lyman, Josiah	Va.
Leapley, Mrs. Lillian Thomas	D. C.	Lynch, George Francis	Ark.
LeDuc, Genevieve	D. C.	Lynch, Lucy Green	Mont.
Lee, Donald E.	D. C.	†Lynch, Raymond M.	Tex.
Lee, Joseph Fitzhugh	D. C.	McCain, Asa Madison	D. C.
†Lee, Thomas Girard	D. C.	McCall, John D.	D. C.
LeHew, Helen Frances	D. C.	McCallum, Annette Martha	Iowa
Lehman, Alicia Marie	Ill.	McCarthy, Thomas Augustine	D. C.
Lehman, Paul Henry	D. C.	McCartin, Katherine Mary	D. C.
Le Ménager, Henri Victor	D. C.	McCartin, Ometa	Ind.
Lents, Ruby Fay	N. C.	McCarty, Clarence Conaway	
A.B. 1927, Catawba College		McClellan, Henry L.	

McCollum, Foris Theodore A.B. 1924, Baylor University	Tex.	Masterton, Herbert Alexander	Mass.
McCoy, John M. B.S. 1927, Kansas State University	D. C.	Matthews, Bess Byrne	Mo.
McCray, Arthur John	Iowa	Matthews, Lucille Lawton	D. C.
McCuaker, James Joseph A.B. 1927, La Salle College	D. C.	May, J. Herbert	Idaho
McDougle, Leonidas Irving	D. C.	May, John Garrett	D. C.
McGill, Harry Earl LL.B. 1926, National University Law School	D. C.	Maybee, Harold Vicory	D. C.
McGraw, William David	Mass.	Medernach, Joseph Aloysius	Pa.
McGregor, Daniel P., Jr.	D. C.	Mennen, Frank Oswald	D. C.
McKetchum, Geneva Elizabeth	N. C.	Merdian, Beula	D. C.
McLean, Grace May	D. C.	Mermelstein, Milton E.	N. J.
McMenamin, Edward Aloysius	D. C.	Merriam, Helen Wirt	D. C.
McMillan, Hugh Charles	Mich.	Merritt, Fannie Fern	D. C.
McMinimy, Mary Winifred A.B. 1927, University of Maryland	D. C.	Merryman, Charles Burdine	Md.
McNallan, Wilbur Thomas	Minn.	Meyers, Joseph Hugh	D. C.
McNally, Edmund Houston	D. C.	†Michaelson, Joseph McGregor	D. C.
McNamara, Francis James LL.B. 1928, Georgetown Law School	Pa.	Michaelson, Winifred McGregor	N. Y.
McNamara, Rosemary Laidlaw A.B. 1927, The George Washington University	D. C.	Milkie, Mary Helen	D. C.
McNeely, John Hamilton	D. C.	Miller, G. Brown	D. C.
McNutt, Agnes Louise	D. C.	Miller, Helen	D. C.
McPherson, Albert Eugene	D. C.	Miller, Jay Howard	N. J.
McQueen, James Milton, Jr.	D. C.	Miller, Malinda Katharine B.S. 1917, Columbia University	Ky.
MacDuff, Russell Ulch	D. C.	Milliken, Kenneth Augustus	Me.
Machen, Josephine Louise	N. H.	Minehart, Ethelda B. B.S. 1920, Iowa State College	Md.
MacGowan, John William A.B. 1927, Dartmouth College	D. C.	Minsky, Arthur	N. Y.
Machmer, John H.	Pa.	Mitchell, Emile Floyd	Md.
Mackey, James Patrick	D. C.	Mitchell, Thomas Warner	Md.
MacMullan, Charles Francis	Md.	Mitchell, Virginia R.	D. C.
MacNeil, F. Stearns	Va.	Mock, Charles Edgar	D. C.
Madison, Hunter Willington A.B. 1927, Baylor University; A.M. 1929, The George Washington University	D. C.	Mohagen, Verna C.	N. Dak.
Madonne, John Henry A.B. 1927, The George Washington University	Va.	Monachino, Rose Frances	Pa.
Magarity, Erma E.	Va.	Monaghan, Joseph Cornelius	Pa.
Magruder, Marion Virginia A.B. 1921, Randolph-Macon College	N. J.	Mondell, George Parker	D. C.
Maioan, Jeraldo Ralph, Jr.	D. C.	†Monk, Virginia Pendleton	D. C.
Maloy, Marcello Rose	D. C.	Monroe, Mildred A.B. 1929, The George Washington University	Va.
Mamaril, Mateo L.	P. I.	Montzka, Alfred Julius	D. C.
†Manning, Ellis Wooster LL.B. 1920, The George Washington University	D. C.	Mooney, Eire A.	D. C.
†Manning, Lucy Raios (Mrs.) LL.B. 1920, The George Washington University	D. C.	Moore, Frederic James	Md.
Mapes, Robert Warrington	Mich.	Morgali, M. Ralph	Nev.
Marks, Florence E. D.	Wash.	Morgan, Mary Ellen A.B. 1917, West Virginia University; A.M. 1924, Teachers College, Columbia University	D. C.
Marks, Richard C.	S. Dak.	Morris, Lynn B.	Utah
Martell, Helen Marie Contel	D. C.	Morris, Mary Scott	D. C.
Martin, Carl James	D. C.	Morris, William Jacob	D. C.
Martin, Eugene Maurice	D. C.	Morscher, Lawrence Norton	Va.
Martin, M. Lucile	D. C.	Moser, Karl J.	Mo.
Martinez, Martha F.	D. C.	Moss, Miriam Edith	D. C.
Mason, Joe B.	Ill.	Motyka, Agnes Louise	D. C.
Mason, Chorus K.	D. C.	Moudy, Elinor Bernice	D. C.
Mason, E. Wellford	Mo.	Mullaly, Mary Helen	D. C.
Mason, Lillian	Md.	Mullins, Irma	D. C.
Mason, Martin Alexander	D. C.	†Murphy, John Damian	Kans.
	Va.	Mutchler, Willard Hammond	D. C.
		Myers, Gertrude	D. C.
		Nagac, Cayetano C.	P. I.
		Nash, Wanda Mary	Vt.
		Nathanson, David	D. C.
		Nead, John Elmer LL.B. 1926, District of Columbia College	Iowa
		Neal, W. Frank	D. C.
		Needham, Edward Vincent	N. Y.
		Nelson, Elmer Rowe	Colo.
		Nelson, Esther	Minn.
		Nelson, Melville Cary	D. C.
		Nelson, Reuben Andrew	Calif.
		New, John Anthony	Va.
		Newlin, Theodore F.	Pa.

Newton, Benjamin B.	D. C.	Poor, John Wilbert	D. C.
Newton, Naomi	D. C.	Poppenoe, Willis Parkson	D. C.
Neyman, Clinton Andrew	D. C.	Poppe, William A.	D. C.
A.B. 1911, Denison University		Portch, Joseph Harry	D. C.
Nifenburg, Helen Eudora	D. C.	Prangley, Curtis Frederick	Ala.
Nimerfro, Beatrice Mary	Minn.	Price, Lance Charles	Md.
Nordby, Aagot F.	D. C.	Price, Leonard H.	D. C.
†Notlevitz, Sylvia B.	D. C.	Price, Warren, Jr.	Tenn.
Nugent, John Anthony	Va.	Prince, D. F.	
†O'Connell, Frank David	D. C.	A.B. 1925, Maryville College	D. C.
O'Donnell, Katharine P.	D. C.	Probey, Helen Louise	D. C.
Ogus, Walter	D. C.	Prulitaky, Joseph	Miss.
O'Hanrahan, Edmond Constantine	Minn.	Pugh, Lacy R.	
B.S. 1920, University of Minnesota; LL.B. 1928, The George Washington University		A.B. 1926, Mississippi State Teachers College	Pa.
Orben, Lloyd Deering	N. Y.	Puhak, Andrew Ivan	D. C.
Orem, Dorothy	D. C.	Pullen, Dorothy Catherine	P. I.
Orleans, Sol	D. C.	Purificacion, Alfredo F.	D. C.
Ormsby, Floyd L. V.	D. C.	Purvis, Don Ricardo Mills	Va.
Ornstein, Esther Cafritz	D. C.	Quarles, John Dana	Md.
Orton, William Henry	D. C.	Quinn, Joseph Patrick	D. C.
Oswen, Jay Jack	D. C.	Quinn, Robert Frederick	D. C.
Owens, James Thomas	D. C.	Radley, Rose Burr	D. C.
B.S. 1917, Cornell University		Radue, Richard Glover	Va.
Owens, James Uberta	D. C.	Raine, Philip	D. C.
Paine, Eva Springman	D. C.	Raines, Lucy Morton	Va.
Painter, Eunice M. M.	Va.	Ramsay, Olive Elizabeth	
Painter, Fern H.	D. C.	Ransom, Ivy W.	N. Y.
Painter, Florence Minnie	D. C.	A.B. 1919, Fargo College	D. C.
Paisley, Jack Newton	D. C.	Rask, Henry George	D. C.
Palmer, John William	Kans.	Raun, Emma Louise	Pa.
Paris, Lena Becker	Mo.	Reading, Marion K. (Mrs.)	
Parker, Edith Melene	D. C.	Reap, Clement Joseph	Va.
Parker, Katherine Elizabeth	Va.	LL.B. 1927, Georgetown University	
A.B. 1924, Brenau College	D. C.	Reardon, Lucy	
Parker, Vera R.	Md.	A.B. 1925, The George Washington University; A.M. 1926, The George Washington University	N. C.
Parker, Ward Follett	D. C.		Md.
Parsons, James Hollister	D. C.		D. C.
Parton, Virginia May	D. C.	Reavis, Betty Hill	D. C.
Patterson, Mary Idelia	D. C.	Reed, Catherine T.	D. C.
Patterson, Phyllis Lea	D. C.	Reeside, Arthur Murray	
Pangh, Dorothy Alice	D. C.	Reeve, Laura Washburn	N. Y.
Paul, Alice	N. J.	A.B. 1923, The George Washington University	
Payne, Howard S.	Va.	Regan, Agnes Elizabeth	D. C.
Payne, Nellie A.	D. C.	A.B. 1925, The George Washington University	Tex.
A.B. 1929, The George Washington University		Reikes, Rose	D. C.
Paynter, Grace Moore	D. C.	Reinsmith, Harold George	D. C.
Peake, Evelyn Frances	Va.	Reneau, Thomas Alan	D. C.
Peirce, Lottie Mildred	Ohio	Repogle, Thelma Alice	Va.
Percy, Mildred St. M.	D. C.	Reznek, Joel	D. C.
Pergler, Carl	D. C.	Rice, Lily (Mrs.)	La.
Perry, Albert Walter	D. C.	Richards, James Walsh	D. C.
Perry, John Watson	D. C.	†Richardson, Edwin Leland	D. C.
Perry, Katharyne Waverly	D. C.	Richoy, Robert Charles	D. C.
A.B. 1929, Goucher College		Richwine, Alfred Henry	Tex.
†Peters, Rosa S.	Ia.	Riecks, Charles B.	D. C.
Peterson, Gerald Herman	Calif.	Riggins, Glendmar U.	D. C.
Peterson, Hazel Alberta	D. C.	Riggins, Goldye Belle	D. C.
Phelps, Lewis Harvey Jr.	Md.	Rinehart, Theodore A.	Conn.
Phillips, Juliet	D. C.	Riordon, Helen M.	D. C.
Phillips, Lawrence Akers	D. C.	Riscassi, Leo Joseph	Ohio
Philpitt, Blanche Willis	D. C.	Ritchie, Don C.	
Piniera, Felix Martin	D. C.	Robbins, Cecil Alger	D. C.
Pitkin, Jane Kelsey	Va.	A.B. 1912, Ohio State University	Utah
Polacoff, Molly	Va.	Roberts, Eula Maud	D. C.
Polacoff, Yetta	Va.	Roberts, Ralph S.	D. C.
Polhill, Emmie Frances	Ala.	Robinson, Elizabeth Winona	Ill.
Pollock, Blanche S.	Mass.	Robinson, Mary Edith	D. C.
Pontzer, Robert Francis	D. C.	Rodeck, Herbert Alfred	D. C.
Pool, William Otho	Miss.	Roeser, Haskell Peter	
A.B. 1923, Mississippi A. and M. College		Rogers, Gretchen Louisa	

Rogers, John Howard	D. C.	†Shumate, Albert Hinklo	Va.
Rohleder, Grace Irene	D. C.	Sichi, William T.	D. C.
Rohlf, Hazel May	D. C.	Siddall, Emilie Emma	D. C.
Rohrick, George John	D. C.	Silaby, Howard	D. C.
Rollins, Pearl S.	D. C.	Silva, Juan	P. I.
Romhilt, Arthur Carl	D. C.	Silva, Roque F.	P. I.
Roop, Naomi Crouch	D. C.	Silverman, Joseph M.	D. C.
Rose, Lael Tench	D. C.	LL.B. 1928, The George Wash-	
Rouse, Mary Rosella	Va.	ington University	D. C.
A.B. 1927, The George Wash-		Silverman, Louis Charles	N. Y.
ington University		Silverman, Meyer	D. C.
Rouse, Sara P. (Mrs.)	D. C.	Simms, Perry B.	Ore.
Rowdybush, Jessie	Md.	†Simonton, Kinsey Macleod	D. C.
Rowe, Effie	D. C.	Sinclair, Virginia Louise	Md.
Rubin, Herman Jack	D. C.	Singles, Mary Catherine	D. C.
LL.B. 1929, National Law		Slechts, Marie Genevieve	D. C.
School		Small, Gertrude Katharine	D. C.
Ruddiman, Harry D.	D. C.	Smith, Ann Fontaine	D. C.
Ruediger, Imogene I.	D. C.	B.S. 1926, State Teachers Col-	
Russell, Margaret Beveridge	Ark.	lege	
Russell, Truss U.		Smith, B. Estelle	D. C.
A.B. 1929, The George Wash-		Smith, Dorothy Fisher	Va.
ington University		Smith, Grace Ridgate	D. C.
Ruth, Dorothy Mae	D. C.	Smith, Herbert Frederick	Ind.
Rutter, Ella Purvis	D. C.	Smith, Jonas Milton	D. C.
Saborian, Louie Florentine	La.	Smith, Lester Allan	Okla.
Saidman, Rose Esther	D. C.	Smith, Louis Charles	D. C.
Said, John E.	N. C.	Smith, Mary Lowe	Md.
Sakis, George P.	D. C.	Smith, Mary P.	W. Va.
Sanborn, Ella Louise	D. C.	Smith, Merton B.	D. C.
Sanford, Anna-Laura	D. C.	Smith, M. Gertrude	D. C.
Sannebeck, Norville H.	D. C.	Smith, Roger Don	D. C.
Santocildes, Calixto	D. C.	Smoot, Samuel Nevitt	D. C.
Santos, Felicissimo	P. I.	Snyder, Frances	Mo.
Sargent, Collier Thornhill	D. C.	Snyder, Henry Sol	D. C.
A.B. 1921, The George Wash-		Snyder, Lloyd	D. C.
ington University; A.M. 1922,		Sobotka, Clement John, Jr.	Md.
The George Washington Uni-		Souder, Laura	D. C.
versity		Spalding, Paul Lester	D. C.
Saunders, Austin Carter	D. C.	Sparks, Neal Washington	Wyo.
Sawbridge, Ben M.	D. C.	†Spech, John Raymond	D. C.
Scheringo, Anna	Md.	B.E. 1927, Vanderbilt Univer-	
Schertz, Hazel Cozier	D. C.	sity	
A.B. 1914, Nebraska Wesleyan		Speer, Hugh Wilson	Kans.
Schmid, Paul Frederick	Ohio	A.B. 1928, American Univer-	
Schmidt, George Charles	W. Va.	sity	
Schneider, Mary Luella	Iowa	†Spencer, Arline	D. C.
LL.B. 1927, National University		Sperry, August W.	Fla.
Law School		Spenny, Elsie Francos	D. C.
Schoenberg, Ruth	Minn.	Spies, William Earl	Md.
Schofield, Irma Abell	D. C.	Spooner, Beth	D. C.
Schoonover, Irl Corley	W. Va.	Sproul, Mary T.	D. C.
Schutte, Emma C.	Ala.	Stanton, Henry Edmund	Md.
Schofield, Job D.	Md.	Stauffer, David Rinehart	D. C.
Scriven, Elizabeth	D. C.	Stehman, J. Harold	Va.
Sears, Margaret Sherbert	D. C.	Stein, Elizabeth	D. C.
Sedlack, Oliver Anton	D. C.	Steinmeyer, Reuben George	D. C.
Segal, Stanley Marvin	D. C.	Stephanoff, Eugene A.	D. C.
Sells, Oscar	Wis.	†Stern, Allan Goldsmith	D. C.
Semitiere, Clouie Emilee	D. C.	B.S. 1918, University of Penn-	
Sharp, Freeman Willard	D. C.	sylvania	
Shaw, Thomas Shuler, Jr.	D. C.	Stern, Gladys F.	D. C.
Shaw, Russell T.	D. C.	Sterrett, William Dent	D. C.
Shea, Samuel Hazen	D. C.	Stevens, Dorothy Eliza	N. Y.
Shearer, Hannah H. (Mrs.)	Idaho	A.B. 1919, Alfred University	
B.S. 1885, Iowa State College	Va.	Stewart, Marion	D. C.
Shepherd, Mattson Wayne	D. C.	Stier, Alma D.	Md.
land; A.M. 1927, The George	Tex.	Stine, George Peyton	D. C.
Washington University		Stocker, Lucy Rebecca	Ohio
Sheridan, William Franklin	Md.	Stockmann, Leroy Leonard	D. C.
Sherman, John W.		Stohlman, Mary Helen	D. C.
Shewmaker, Sibil	D. C.	Stokes, Edwin, H. O.	D. C.
Short, Margaret M.	D. C.	Stolar, Annie	D. C.
		Stolar, Hannah Hesse	D. C.

Stolar, Robert	D. C.	†Walker, Reed June	D. C.
Stone, Gordon Oliver	Va.	A.B. 1928, University of Utah	D. C.
Storey, Thomas Martin	Md.	Wall, John F.	D. C.
Strine, Fred E.	D. C.	Waller, Fred E.	D. C.
Stubbs, Donald Harrison	D. C.	Wallerstein, Gussie Arnold	D. C.
Stubbs, Kenneth Hansell	D. C.	Waltemyer, Claude Monroe	D. C.
Stumm, Erwin Charles	D. C.	Walter, Eva May	Ill.
Styron, Elizabeth Burroughs	D. C.	A.B. 1923, The George Wash-	
Suscum, M. Timothy C.	D. C.	ington University	D. C.
Sullivan, Clara P.	Md.	Walter, Gertrude Elizabeth	
B.L. 1911, Brenau College;		A.B. 1920, The George Wash-	
A.M. 1927, The George Wash-		ington University	D. C.
ington University		Walter, Raymond Bryan	D. C.
Sullivan, Mary Carmel	D. C.	Ward, H. Jeffery	D. C.
Suter, J. Courtney	D. C.	Ward, Kenneth La Due	D. C.
Sweetser, Peter Wilbur	Me.	Wardlaw, Joseph Patterson	D. C.
Swingle, Lester Monroe	D. C.	Ware, Martha Belle	
Sydenstricker, Vivian Alexander	Ga.	B.S. 1904, Southern Kentucky	
A.B. 1924, Presbyterian Col-		College	W. Va.
lege of South Carolina; A.M.		Warnick, Lucretia McMullen	Wis.
1929, The George Washing-		Warnington, Alexander	Del.
ton University		Warrington, Mary E.	Md.
†Sylvia, George Henry	D. C.	Wassmann, Gladys Harper (Mrs.)	Mich.
Szabo, John Basil	Pa.	Waterman, Bernice	Mo.
LL.B. 1928, Georgetown Law		Watson, Quentin D.	D. C.
School		Webb, Dorothy E.	D. C.
†Tanner, John H.	Utah	Webb, Pauline Thornton	D. C.
Tarshes, Joseph	D. C.	Webb, Wanda	
Tassin, Electa	D. C.	A.B. 1928, The George Wash-	
Taylor, Edith P.	Va.	ington University	D. C.
Taylor, E. Gwendolin	Kans.	Webner, William Gordon	D. C.
Taylor, G. Douglas	Utah	Webster, Marjorie Fraser	D. C.
Telford, Helen Dorothy	D. C.	Weed, Marian Rebecca	D. C.
Tellefsen, Carl Robert	D. C.	Weidmann, Mabel Stewart	D. C.
Tenenbaum, Ann	D. C.	Weihe, Edwin Armstrong	Md.
Terrell, William D., Jr.	Va.	†Weinberg, Amelia Lowenstein	D. C.
Terry, George J.	Ark.	Weinstein, Samuel	D. C.
†Thomas, Dorothy Estelle	D. C.	Weintraub, Robert Louis	D. C.
Thomas, Sue E.	D. C.	Weitzel, Fred Winfield	D. C.
Thompson, Edward Francis	D. C.	Wellman, Thelma Marguerite	D. C.
Thompson, J. Lawn	D. C.	†Wells, Dorrie Lee	
Thompson, Maury Weldon	Va.	A.B. 1916, Winthrop College	Wis.
A.B. 1928, William and Mary		Wells, George W.	D. C.
College		Wells, Joseph William	Va.
Thompson, Owen G.	D. C.	Wells, William Van Horn	Okla.
Thompson, William Dove	D. C.	Wells, Milton Kenneth	D. C.
Thomson, Claudia	D. C.	Weltner, Ethel W.	Md.
Thorne, Francis B.	D. C.	Werline, Albert Warwick	
Thurston, Harry Wyant	Va.	A.B. 1918, Union College; A.M.	
Tilley, Anita Roblin	D. C.	1925, Columbia University	D. C.
Tillotson, John Wallace	D. C.	West, Birne T.	D. C.
Tippett, Edith Irene	Ill.	West, Winifred B.	Va.
Toal, F. Clifton	Md.	Wester, Horace Volney	Va.
Tomlin, Carl William	S. C.	Wester, Robert Emerson	D. C.
Tompkins, Francis Meade	D. C.	Westhaver, James Waldo	S. C.
Torres, Henry Herrera	D. C.	Wheeler, Helen Ruth	D. C.
Tredt, Julian Martin	D. C.	Wheeler, John Leonard	D. C.
A.B. 1917, Washington College	D. C.	Wheeler, Lulu M.	Va.
Tucker, William A.	D. C.	Whipple, Verna A.	Tex.
Turner, Marie Agnes	D. C.	White, Cecil Thayer	
A.B. 1925, The George Wash-	D. C.	A.B. 1928, Southwestern Uni-	
ington University		versity	D. C.
Turner, Otis Lee	Va.	White, Ethna Anna	Miss.
Twining, Vivian D.	D. C.	White, Laura Cornelia	
Umbaugh, Margaret Grimm	D. C.	A.B. 1927, Mississippi State	
Upton, Catherine A.	D. C.	College for Women	D. C.
Vallesteras, Pastor Cristobal	D. C.	Wileox, Blanche Bowden	D. C.
Verner, Arthur Alexander	D. C.	†Wilkinson, Lewers Lucile	D. C.
Violette, Thomas Hager	D. C.	Williams, Robert Snead, Jr.	Va.
Voigt, Marion Viola	Va.	Williams, Goldie Marie	D. C.
Voneiff, William Henry	D. C.	Williamson, James Harold	D. C.
Wagner, Richard D.	D. C.	Williard, John Carlton	D. C.
Walck, Earl Clifford	Colo.	Williford, Mattie Mae	Fla.
Walker, John G.	Pa.	Williford, Mildred Emma	
	D. C.		

Willis, Helen Chance	D. C.	Woodruff, Maurice G.	D. C.
Willoughby, Grace Elizabeth	N. Y.	Woods, Mark Winton	Md.
Willoughby, Marion Frances	N. Y.	Woodward, Unis	D. C.
Wilson, Elizabeth Gilpin	Md.	A.B. 1928, The George Wash-	
Wilson, Jane Elizabeth	Ill.	ington University	
Wilson, Riley Joe	La.	Yanagida, Hikoji	D. C.
L.L.B. 1927, The George Wash-		Yeans, Kenneth John	D. C.
ington University		Yeomans, Cornelia H. (Mrs.)	D. C.
Wingo, James G.	D. C.	A.B. 1924, University of Texas	
Wolf, Zelda	D. C.	Young, Gladys Hildreth	Minn.
Wolfe, Estella A.	Wis.	A.B. 1919, North Central Col-	
Wolfe, Jared Dunn	D. C.	lege	
Wolfe, Ernest	D. C.	Young, Grace Victoria	D. C.
Wong, Wensan	China	A.B. 1927, The George Wash-	
A.B. 1923, Central China Uni-		ington University	
versity; M.S. 1928, Columbia		Young, Mary Seward	Va.
University		Young, Maude Elizabeth	Wis.
Wood, William Edwin	Utah	Zitt, Vernal M.	Fla.
B.S. 1925, Utah Agricultural		A.B. 1924, University of Cali-	
College		ifornia	

SUMMARIES OF REGISTRATION

COLUMBIAN COLLEGE:

Candidate for A.B. degree	2,141
Unclassified	163
Special Pre-Legal	56
Special Pre-Medical	48
Special Students	388
Auditors	51
Candidates for B.S. degree	157
Unclassified	21
	<u>3,025</u>

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES:

Candidates for the Ph.D. degree	63
Candidates for the M.S. degree	38
Candidates for the A.M. degree	325
Students in Attendance	51
	<u>477</u>

THE SCHOOL OF MEDICINE:

Candidates for the M.D. degree	282
	<u>282</u>

THE SCHOOL OF NURSING:

Candidates for Diploma in Nursing	55
	<u>55</u>

THE LAW SCHOOL:

Candidates for degree of LL.B.	742
Candidates for degree of LL.M.	12
Unclassified	7
Special Students	18
	<u>779</u>

THE SCHOOL OF ENGINEERING:

Candidates for B.S. in Chemistry degree	1
Candidates for B.S. in Chemical Engineering degree	12
Candidates for B.S. in Civil Engineering degree	141
Candidates for B.S. in Electrical Engineering degree	119
Candidates for B.S. in Mechanical Engineering degree	97
Candidates for B.S. in Physics degree	6
Candidates for B.S. in Mathematics degree	1
Unclassified	15
Special Students	61
	<u>453</u>

THE SCHOOL OF PHARMACY:

Candidates for Phar.G. degree	62
.....	62

THE SCHOOL OF EDUCATION:

Candidates for A.B. degree in Education	398
Unclassified	53
Special Students	77
Auditors	21
Candidates for A.M. degree	101
Candidates for Ph.D. degree	20
Students in Attendance	24
.....	694

THE SCHOOL OF GOVERNMENT:

Candidates for A.B. degree in Government	74
Candidates for A.B. degree in Foreign Service	35
Unclassified	8
Special Students	1
.....	118

THE DIVISION OF LIBRARY SCIENCE:

Candidates for A.B. degree in Library Science	56
Unclassified	11
Special Students	60
Candidates for A.M. degree	4
.....	131

THE DIVISION OF FINE ARTS:

Candidates for B.Arch. degree	66
Candidates for Bachelor of Arts degree	26
Special Students	20
Unclassified	12

Total—Academic Year 1929-1930

Summer Sessions 1929 (Exclusive of The Law School)

Total

7,393

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	33	Rhode Island	10
Arizona	8	South Carolina	26
Arkansas	36	South Dakota	27
California	46	Tennessee	16
Colorado	24	Texas	67
Connecticut	51	Utah	89
Delaware	13	Vermont	17
Florida	30	Virginia	458
Georgia	35	Washington	32
Idaho	32	West Virginia	88
Illinois	99	Wisconsin	57
Indiana	71	Wyoming	13
Iowa	98	District of Columbia	3,956
Kansas	42	Austria	1
Kentucky	35	Canada	3
Louisiana	20	Chile	2
Maine	25	China	11
Maryland	488	Denmark	1
Massachusetts	79	Ecuador	1
Michigan	46	England	2
Minnesota	72	France	2
Missouri	88	Germany	2
Mississippi	23	Greece	1
Montana	23	Hawaiian Islands	1
Nebraska	31	Holland	3
Nevada	8	Hungary	2
New Hampshire	12	Italy	2
New Jersey	96	Japan	1
New Mexico	20	Korea	4
New York	258	Nicaragua	43
North Carolina	61	Panama	20
North Dakota	18	Philippine Islands	—
Ohio	99	Porto Rico	—
Oklahoma	57		
Oregon	14		
Pennsylvania	242		
		Total	7,393

GRADUATES OF COLLEGES

Agnes Scott College	1	Cooper Union Institute	1
Alabama Polytechnic Institute	3	Cornell University	16
Alabama, University of	1	Creighton University	1
Alabama, Woman's College of	1	Cumberland University	1
Albany College	1	Dakota Wesleyan University	1
Albion College	2	Dalhousie University	1
Allegheny College	2	Dartmouth College	4
Alma College	1	Davidson College	2
American University	8	Davis and Elkins College	1
Antioch College	3	Delaware, University of	6
Arizona, University of	3	Denison University	1
Arkansas College	1	Dickinson College	4
Arkansas, University of	6	Doane College	1
Baldwin-Wallace College	1	Drexel Institute	1
Baylor University	2	Drury College	3
Berea College	1	Duke University	4
Birmingham Southern College	1	Emory University	3
Blue Ridge College	2	Emporia, College of	1
Boone University	1	Florida, University of	2
Boston College	1	Fordham University	2
Bowdoin College	1	Franklin College	1
Bradley Polytechnic Institute	1	Franklin and Marshall College	3
Brenau College	2	Georgetown College	1
Brigham Young University	6	Georgetown University	10
Brown University	1	George Washington University	448
Bryson College	1	Georgia Inst. of Technology	3
Bucknell University	5	Gettysburg College	1
Buena Vista College	1	Goshen College	3
Butler College	4	Goucher College	4
California, University of	18	Grand Island College	1
Carleton College	1	Greenville College	1
Carnegie Inst. of Technology	7	Grinnell College	1
Case School of Applied Science	3	Guilford College	1
Catholic University of America	6	Gustavus Adolphus College	5
Central College	1	H. Sophie Newcomb College	2
Centre College	2	Hamilton College	3
Charleston, College of	1	Hamline University	2
Chattanooga, University of	1	Hampden Sidney College	1
Chicago, University of	7	Harvard University	15
Cincinnati, University of	2	Haverford College	3
Citadel, The	1	Heidelberg University	2
Clark College	1	Hiram College	1
Clarkson College of Technology	2	Holy Cross College	3
Coe College	1	Hood College	2
Colby College	1	Hope College	1
College of City of New York	7	Howard College	1
Colorado Agricultural College	2	Howard Payne College	1
Colorado College	1	Hunter College	1
Colorado School of Mines	1	Idaho, University of	8
Colorado, University of	5	Illinois, University of	7
Columbia College for Women	1	Indiana State Teachers College	1
Columbia University	24	Indiana, University of	8
Connecticut College	1	Iowa State College of A. and M.	2
Converse College	1	Iowa, State University of	11

Johns Hopkins University	8	Nevada, University of	3
Juniata College	1	New Hampshire, University of	2
Kalamazoo College	1	New Mexico, University of	5
Kansas State Agricultural College	2	New York University	
Kansas, University of	4	North Carolina College for Women	5
Kentucky, University of	6	North Carolina State College of Agriculture and Engineering	2
Kentucky Wesleyan College	1	North Carolina, University of	5
Kenyon College	1	North Dakota, University of	1
La Salle College	1	Northland College	2
Lebanon Valley College	1	North Texas State Teachers College	1
Leland Stanford University	7	Northwestern University	2
Lenoir College	1	Norwich University	4
Louisville, University of	2	Notre Dame, University of	1
Lowell Textile Institute	1	Oberlin College	1
Lynchburg College	1	Oglethorpe University	7
Macalester College	1	Ohio State University	1
Maine, University of	7	Oklahoma A. and M. College	1
Manchester College	1	Oklahoma City University	5
Marietta College	3	Oklahoma, University of	
Marshall College	1	Oregon State Agricultural College	2
Maryland, University of	28	Oregon State College	1
Maryville College	1	Ottawa College	1
Massachusetts Agricultural College	3	Ouachita College	1
Massachusetts Institute of Technology	13	Ozarks, College of	1
State Normal School, Bridge-water, Massachusetts	1	Pacific, College of	1
McKendree College	1	Park College	1
McPherson College	1	Peabody College	
Miami University	3	Peking National Teachers College for Women (China)	1
Michigan Agricultural College	1	Pennsylvania State Forest School	11
Michigan State College	1	Pennsylvania State College	13
Michigan, University of	7	Pennsylvania, University of	10
Middlebury College	1	Pittsburgh, University of	2
Milligan College	1	Pomona College	
Millsaps College	1	Presbyterian College of South Carolina	1
Minnesota, University of	5	Princeton University	7
Mississippi College	1	Purdue University	5
Mississippi A. and M. College	3	Radcliffe College	1
Mississippi State College for Women	1	Randolph-Macon Women's College	4
Mississippi, University of	3	Reed College	2
Missouri School of Mines	1	Regis College	1
Central Missouri State Teachers College	1	Rensselaer Polytechnic Institute	7
Southwest Missouri State Teachers College	1	Richmond, University of	5
Montana State College	1	Ripon College	1
Montana, University of	2	Roanoke College	4
Mount Holyoke College	2	Rochester, University of	1
Nebraska, University of	7	Rose Polytechnic Institute	2
Nebraska State Teachers College	1	Royal University (Italy)	1
Nebraska Wesleyan University	1	Rutgers College	2

Scarrett College	1	Virginia Military Institute	4
Simmons College	3	Virginia Polytechnic Institute	2
Smith College	2	Virginia, University of	8
Soochow University (China)	1	Wabash College	2
South Carolina, University of	1	Wake Forest College	1
South Dakota State College	3	Washington College	1
South Dakota, University of	3	Washington and Jefferson Col- lege	2
Southern California, Univer- sity of	3	Washington and Lee University	5
Southwestern University	2	Washington Missionary College	2
State Teachers College, Fred- ericksburg, Va.	1	Washington State College	1
College of Saint Catherine	1	Washington University	10
St. John's College	6	Waynesburg College	1
St. Vincent's College	1	Wellesley College	5
Stevens Institute of Technology	2	Wesleyan University	1
Susquehanna University	2	Western Maryland College	6
Swarthmore College	9	Westhampton College	1
Syracuse University	8	West Texas State Teachers Col- lege	1
Temple University	1	West Virginia, University of	6
Tennessee, University of	2	Whitman College	2
Texas, University of	9	William Jewell College	1
Toledo, University of City of	1	William and Mary, College of	6
Transylvania College	1	Williams College	2
Trinity College	7	Winthrop College	1
Tufts College	3	Wisconsin, University of	5
Tulsa, University of	1	Wofford College	1
Union College	2	Wooster, College of	1
U. S. Naval Academy	24	Wooster Polytechnic Institute	1
Utah, Agricultural College of	5	Wyoming, University of	1
Utah, University of	17	Yale University	7
Vanderbilt University	3		
Vassar College	1		
Vermont, University of	2	Total Number of Colleges	272
Villanova College	1	Total Number of Students	1,273

GENERAL SUMMARY

TEACHING STAFF

Professors	81
Professorial Lecturers	12
Associate Professors	33
Clinical Professors	17
Associates in Medicine	8
Clinical Associates	21
Assistant Professors	24
Lecturers	47
Instructors	32
Clinical Instructors	68
Associates	16
Fellows	11
Assistants	4
	<hr/>
	374

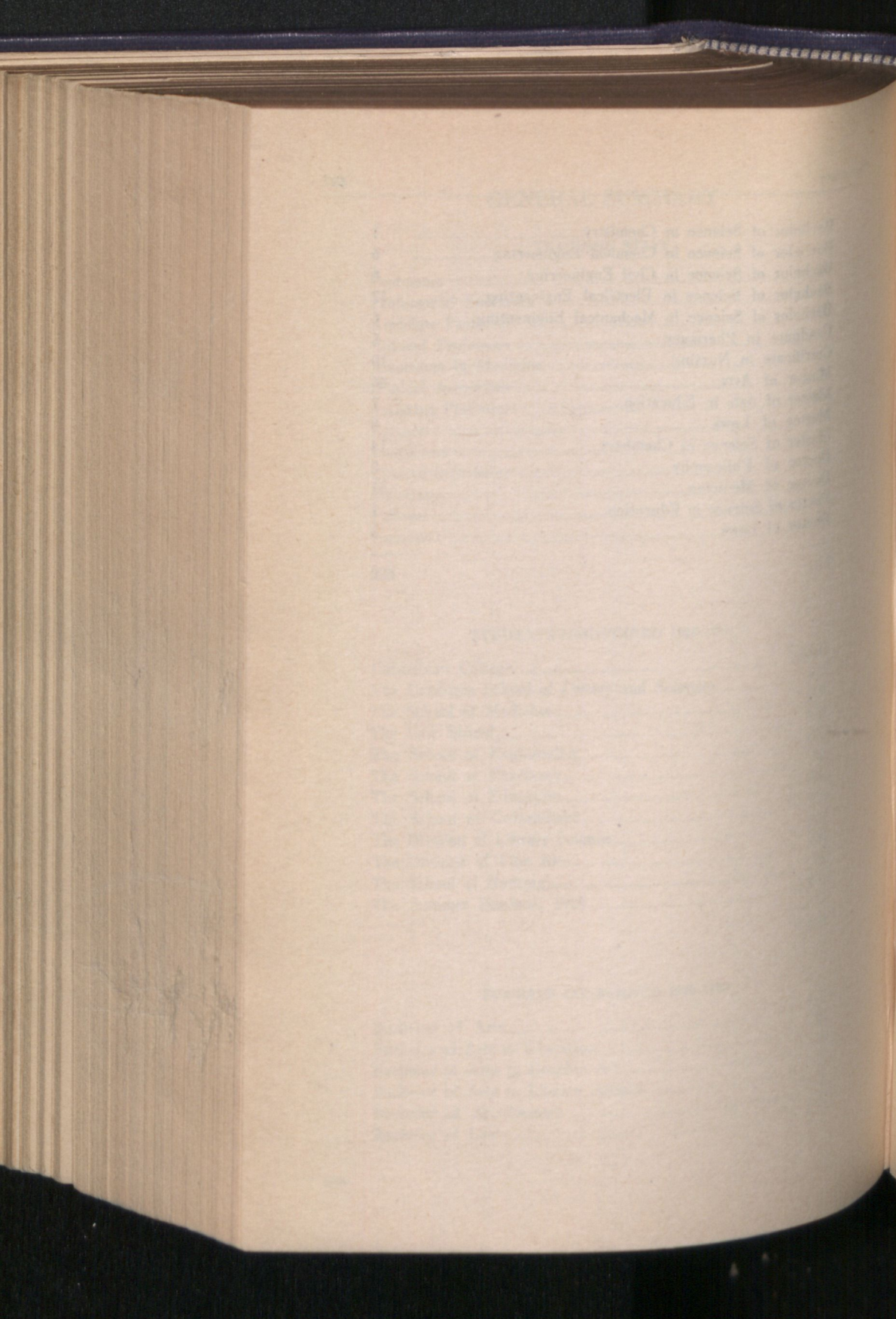
STUDENTS REGISTERED 1929-1930

Columbian College	3,025
The Graduate School of Letters and Sciences	477
The School of Medicine	282
The Law School	779
The School of Engineering	453
The School of Pharmacy	62
The School of Education	694
The School of Government	118
The Division of Library Science	131
The Division of Fine Arts	124
The School of Nursing	55
The Summer Sessions, 1929	1,493
	<hr/>
	7,693

DEGREES CONFERRED 1929-1930

Bachelor of Arts	227
Bachelor of Arts in Education	59
Bachelor of Arts in Graphic Art	1
Bachelor of Arts in Library Science	5
Bachelor of Architecture	1
Bachelor of Laws	120

Bachelor of Science in Chemistry.....	1
Bachelor of Science in Chemical Engineering.....	6
Bachelor of Science in Civil Engineering.....	6
Bachelor of Science in Electrical Engineering.....	12
Bachelor of Science in Mechanical Engineering.....	6
Graduate in Pharmacy.....	5
Certificate in Nursing.....	19
Master of Arts.....	46
Master of Arts in Education.....	7
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SCHOOL OF MEDICINE
ANNUAL ANNOUNCEMENT

1930-1931

VOL. XXIX

No. 3

WASHINGTON, D. C.

PUBLISHED IN MAY

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BY THE UNIVERSITY

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SCHOOL OF MEDICINE
ANNUAL ANNOUNCEMENT
1930-1931

No. 1

XIX

WASHINGTON, D. C.

FORWARDED IN MAY

1931

BY THE UNIVERSITY

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CALENDAR OF THE SCHOOL OF MEDICINE

1930-1931

1930

September 15 to 20	<i>Monday to Saturday, both dates inclusive</i>	Pre-session examinations.
September 24	<i>Wednesday</i>	Academic year begins.
September 27	<i>Saturday</i>	Registration period ends.
November 27 to 29	<i>Thursday to Saturday, both dates inclusive</i>	Thanksgiving recess.
December 20	<i>Saturday</i>	First trimester ends.
December 22 to January 1, 1931	<i>Monday to Thursday, both dates inclusive</i>	Christmas recess.

1931

January 2	<i>Friday</i>	Second trimester begins.
February 23	<i>Monday</i>	Winter Convocation. Holiday.
March 12	<i>Thursday</i>	Second trimester ends.
March 13	<i>Friday</i>	Third trimester begins.
April 6 to 11	<i>Monday to Saturday, both dates inclusive</i>	Easter recess.
May 19 to 21	<i>Tuesday to Thursday, both dates inclusive</i>	Final examination period.
May 30	<i>Saturday</i>	Decoration Day. Holiday.
June 1	<i>Monday</i>	Stated meeting of the Faculty.
June 7	<i>Sunday</i>	Baccalaureate Sermon.
June 10	<i>Wednesday</i>	Commencement.

1931

OFFICERS AND COMMITTEES
OF THE
SCHOOL OF MEDICINE

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

CLOYD HECK MARVIN, Ph.D., LL.D., *President of the University.*
HOWARD LINCOLN HODCKINS, Ph.D., Sc.D., *Dean of the University*
WILLIAM ALLEN WILBUR, A.M., Litt.D., *Provost of the University.*
CHARLES WENDELL HOLMES, *Comptroller of the University.*
HAROLD GRIFFITH SUTTON, M.S., *Director of Admissions.*
ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Librarian of the University.*
FRED EVERETT NESSELL, A.B., *Registrar of the University.*
VINNIE GIFFEN BARROWS, A.B., *Director of Women's Personnel Guidance.*

THE SCHOOL OF MEDICINE

WILLIAM CLINE BORDEN, M.D., *Dean of The School of Medicine.*
OSCAR BENWOOD HUNTER, A.M., M.D., *Assistant Dean in The School of Medicine, in charge of the Hospital Division.*
WALTER ANDREW BLOEDORN, M.D., *Assistant Dean in The School of Medicine, in charge of the Clinical Division.*
JOSEPH HYRAM ROE, Ph.D., *Assistant Dean in The School of Medicine, in charge of the Pre-Clinical Division.*
FRANK ADELBERT HORNADAY, M.S., M.D., *Evaluator of Credentials.*
JAMES HOLMES DEFENDORF, A.M., *Assistant Evaluator of Credentials.*
ANNA ELIZABETH SELLNER, *Recorder for Medical Registration.*

COMMITTEES

EXECUTIVE COMMITTEE

WILLIAM CLINE BORDEN, *Chairman*
WALTER ANDREW BLOEDORN WILLIAM JOHNSTON MALLORY
OSCAR BENWOOD HUNTER JOSEPH HYRAM ROE

ADVISORY COMMITTEE

WILLIAM CLINE BORDEN, *Chairman*
WALTER ANDREW BLOEDORN GEORGE BAIN JENKINS
LESLIE HOWSON FRENCH HURON WILLIS LAWSON
OSCAR BENWOOD HUNTER JOSEPH HYRAM ROE
GEORGE BYRON ROTH CHARLES STANLEY WHITE

WILLIAM JOHNSTON MALLORY

CLINICAL COMMITTEE

WALTER ANDREW BLOEDORN, *Chairman*
HURON WILLIS LAWSON WILLIAM JOHNSTON MALLORY
CHARLES STANLEY WHITE JOHN ALTON REED

PRE-CLINICAL COMMITTEE

JOSEPH HYRAM ROE, *Chairman*
GEORGE BAIN JENKINS GEORGE BYRON ROTH
OSCAR BENWOOD HUNTER LESLIE HOWSON FRENCH

THE FACULTY OF MEDICINE*

CLOYD HECK MARVIN, Ph.D., LL.D., <i>President of the University.</i>	The University.
WILLIAM CLINE BORDEN, M.D., <i>Dean of The School of Medicine; Professor of Medical Ethics and History.</i>	2306 Tracy Place.
OSCAR BENWOOD HUNTER, A.M., M.D., <i>Assistant Dean in The School of Medicine; Professor of Bacteriology and Pathology.</i>	31 East Oxford Street, Chevy Chase, Maryland.
WALTER ANDREW BLOEDORN, A.M., M.D., <i>Assistant Dean in The School of Medicine; Professor of Medicine.</i>	1627 I Street.
JOSEPH HYRAM ROE, Ph.D., <i>Assistant Dean in The School of Medicine; Professor of Biochemistry.</i>	1352 Jefferson Street.

EMERITUS PROFESSORS

DANIEL KERFOOT SHUTE, A.M., M.D., <i>Clinical Professor Emeritus of Ophthalmology.</i>	1727 DeSales Street.
WILLIAM KENNEDY BUTLER, A.M., M.D., <i>Professor Emeritus of Ophthalmology.</i>	1207 M Street.
STERLING RUFFIN, M.D., <i>Professor Emeritus of Medicine.</i>	Connecticut Apartments.
BUCKNER MAGILL RANDOLPH, M.D., <i>Professor Emeritus of Clinical Medicine.</i>	2010 R Street.

ACTIVE LIST

WILLIAM ALANSON WHITE, A.M., M.D., <i>Professor of Psychiatry.</i>	St. Elizabeth's Hospital.
FRANCIS RANDALL HAGNER, M.D., <i>Professor of Urology.</i>	1835 I Street.
WILLIAM CLINE BORDEN, M.D., <i>Professor of Medical Ethics and History.</i>	2306 Tracy Place.
HURON WILLIS LAWSON, M.S., M.D., <i>Professor of Obstetrics and Gynecology.</i>	1717 N Street.
OSCAR BENWOOD HUNTER, A.M., M.D., <i>Professor of Bacteriology and Pathology.</i>	31 East Oxford Street, Chevy Chase, Maryland.
CUSTIS LEE HALL, M.D., <i>Professor of Orthopedic Surgery.</i>	1801 I Street.

* Arranged with the exception of the President, the Dean, and the Assistant Deans, on the basis of collegiate seniority.
The address is Washington, D. C., unless otherwise stated.

WILLIAM THORNWALL DAVIS, M.D., <i>Professor of Ophthalmology.</i>	927 Farragut Square.
GEORGE BAIN JENKINS, M.D., <i>Professor of Anatomy.</i>	1336 Ingraham Street.
JOSEPH HYRAM ROE, Ph.D., <i>Professor of Biochemistry.</i>	1352 Jefferson Street.
HARRY HAMPTON DONNALLY, A.M., M.D., <i>Professor of Pediatrics.</i>	1612 I Street.
WILLIAM JOHNSTON MALLORY, A.M., M.D., <i>Professor of Medicine.</i>	1720 Connecticut Avenue.
GEORGE BYRON ROTH, A.B., M.D., <i>Professor of Pharmacology.</i>	3814 T Street.
CHARLES AUGUSTUS SIMPSON, M.D., <i>Professor of Dermatology.</i>	1610 20th Street.
WALTER FREEMAN, A.B., M.D., <i>Professor of Neurology.</i>	1801 I Street.
LESLIE HOWSON FRENCH, M.D., <i>Professor of Physiology.</i>	1335 H Street.
COURSEN BAXTER CONKLIN, A.M., M.D., <i>Professor of Physical Diagnosis.</i>	1801 I Street.
CHARLES STANLEY WHITE, M.D., <i>Professor of Surgery.</i>	1801 I Street.
DANIEL LERAY BORDEN, A.M., M.D., <i>Professor of Surgery.</i>	The Rochambeau.
CLINE N. CHIPMAN, M.D., <i>Professor of Anaesthesia.</i>	1420 Rhode Island Avenue.
WILLIAM OLENDORF WETMORE, M.D., Major, Medical Corps, U. S. A., <i>Professor of Military Science and Tactics.</i>	3500 14th Street.
MONTGOMERY EARLE HIGGINS, M.D., <i>Professor of Tropical Medicine.</i>	3700 Massachusetts Avenue.
JOSEPH BURTON GLENN, M.D., <i>Professor of Materia Medica and Therapeutics.</i>	1606 20th Street.
JOHN J. SHUGRUE, M.D., <i>Professor of Neurological Surgery.</i>	1801 I Street.
WALTER ANDREW BLOEDORN, A.M., M.D., <i>Professor of Medicine.</i>	1627 I Street.

THOMAS ALLEN GROOVER, M.D., Sc.D., <i>Associate Professor of Roentgenology.</i>	Hay Adams House.
JAMES HOLMES DEFANDORF, A.M., <i>Associate Professor of Pharmacology.</i>	4501 Leland Street.
OLIVER JOHN IRISH, M.S., <i>Associate Professor of Biochemistry.</i>	711 Van Buren Street.
HARRY ALFRED ONG, M.D., <i>Associate Professor of Pediatrics.</i>	1801 I Street.
HOWARD FRANCIS KANE, A.B., M.D., <i>Associate Professor of Obstetrics.</i>	1835 I Street.
ELIJAH WHITE TITUS, PH.D., M.D., <i>Associate Professor of Gynecology.</i>	1835 I Street.
WILLIAM BINFORD KING, A.B., M.D., <i>Associate Professor of Anatomy.</i>	Virginia Highlands, Va.
ROSCOE WILLIS HALL, Ph.B., M.D., <i>Associate Professor of Psychiatry.</i>	1800 Belmont Road.
ROBERT JOSEPH BOSWORTH, A.B., M.D., <i>Associate Professor of Physiology.</i>	811 8th Street N.E.
WILLIAM BERRY MARBURY, M.D., <i>Associate Professor of Surgery.</i>	1015 16th Street.
OTHMAR CHARLES SOLNITZKY, Ph.D., M.D., <i>Associate Professor of Anatomy.</i>	109 East Thornapple Street, Chevy Chase, Maryland.
CHARLES ROBERT LEE HALLEY, A.B., M.D., <i>Associate Professor of Medicine.</i>	1801 I Street.
ROGER MORRISON CHOISSE, B.S., M.D., <i>Associate Professor of Bacteriology and Pathology.</i>	3500 36th Street.
GEORGE JOSEPH BRILMYER, M.S., M.D., <i>Associate Professor of Pathology.</i>	601 Jefferson Street.
CLIFT PALSGROVE BERGER, A.M., <i>Associate Professor of Bacteriology.</i>	1734 P Street.
FREDERICK AUGUST REUTER, M.D., <i>Associate Professor of Urology.</i>	1835 I Street.
AURELIUS RIVES SHANDS, M.D., <i>Clinical Professor of Orthopedic Surgery.</i>	901 16th Street.
JAMES FERNANDEZ MITCHELL, A.B., M.D., <i>Clinical Professor of Surgery.</i>	1344 19th Street.

THOMAS SIM LEE, A.M., M.D., <i>Clinical Professor of Medicine.</i>	2109 O Street.
HOMER GIFFORD FULLER, PH.B., M.D., <i>Clinical Professor of Urology.</i>	1616 Belmont Street.
THOMAS EDWIN NEILL, M.D., <i>Clinical Professor of Gynecology.</i>	1824 Massachusetts Avenue.
RICHARD LEE SILVESTER, B.S., M.D., <i>Clinical Professor of Obstetrics.</i>	2311 Connecticut Avenue.
CHARLES WILBUR HYDE, M.D., <i>Clinical Professor of Anaesthesia.</i>	1801 I Street.
HENRY WALPER KEARNEY, M.D., <i>Clinical Professor of Anaesthesia.</i>	1436 Longfellow Street.
JOSEPH BORROWS BOGAN, M.D., <i>Clinical Professor of Anaesthesia.</i>	1320 Ingraham Street.
JOSEPH WINTHROP PEABODY, M.D., <i>Clinical Professor of Medicine.</i>	4200 14th Street.
HENRY COOK MACATEE, M.D., <i>Clinical Professor of Medicine.</i>	The Rochambeau.
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LESLIE TRACY GAGER, A.B., M.D., <i>Clinical Professor of Medicine.</i>	1614 Rhode Island Avenue.
FRANK ADELBERT HORNADAY, M.S., M.D., <i>Clinical Professor of Medicine.</i>	The Mayflower.
WILLIAM HITE HOUGH, PHAR.D., M.D., <i>Clinical Professor of Syphilology.</i>	1801 I Street.
JOHN ALTON REED, A.B., M.D., <i>Clinical Professor of Medicine.</i>	1720 Connecticut Avenue.
FRED AUGUST MOSS, PH.D., M.D., <i>Clinical Professor in Neuro-Psychiatry.</i>	1835 I Street.
CLAUDE MOORE, M.D., <i>Clinical Professor of Roentgenology.</i>	The Rochambeau.
HAROLD ALBERT CRAFT, B.S., <i>Assistant Professor of Bio-Chemistry.</i>	1424 Webster Street.
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RALPH STEVENS PENDEXTER, LL.B., M.D., <i>Associate in Ophthalmology.</i>	The Champlain.
HARRY SAUL BERNTON, A.B., M.D., <i>Associate in Medicine.</i>	2013 O Street.

JOHN HUGH LYONS, M.S., M.D., <i>Associate in Surgery.</i>	1344 19th Street.
FRANCIS GEORGE SPEIDEL, M.D., <i>Associate in Anaesthesia.</i>	The Rochambeau.
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OTTO NELLIS WARNER, M.D., <i>Associate in Anaesthesia.</i>	2226 Connecticut Avenue.
JACOB KOTZ, M.D., <i>Associate in Gynecology.</i>	2824 Connecticut Avenue.
EVERETT MONROE ELLISON, PH.D., M.D., <i>Clinical Associate in Medicine.</i>	1720 M Street.
ALBERT PERKINS TIBBETS, A.B., M.D., <i>Clinical Associate in Oto-Laryngology.</i>	1801 I Street.
JOHN MINOR, A.B., M.D., <i>Clinical Associate in Medicine.</i>	1629 21st Street.
SIMON RUFUS KARPELES, M.D., <i>Clinical Associate in Medicine.</i>	3549 16th Street.
EDWARD LEWIS, M.D., <i>Clinical Associate in Pediatrics.</i>	2109 16th Street.
HERBERT HERRMANN SCHOENFELD, M.D., <i>Clinical Associate in Surgery.</i>	1801 I Street.
LOUIS BERNARD CASTELL, PHAR.D., M.S., M.D., <i>Clinical Associate in Medicine.</i>	1835 I Street.
HENRY LAURAN DARNER, A.B., M.D., <i>Clinical Associate in Gynecology.</i>	1028 Connecticut Avenue.
FRED ALOYSIUS JOSEPH GEIER, M.D., <i>Clinical Associate in Medicine.</i>	Medical Science Building.
HARRY FORD ANDERSON, M.D., <i>Clinical Associate in Dermatology.</i>	1610 20th Street.
ARCHIBALD BARKLIE COULTER, M.D., <i>Clinical Associate in Medicine.</i>	1029 Vermont Avenue.
ISAAC SILVERMAN, M.D., CH.B., <i>Clinical Associate in Psychiatry.</i>	Callinger Hospital.
MAURICE PROTAS, A.B., M.D., <i>Clinical Associate in Medicine.</i>	1835 I Street.
HERMAN SOLOMON HOFFMAN, A.B., M.D., <i>Clinical Associate in Medicine.</i>	1835 I Street.
WILLIAM WARREN SAGER, A.B., M.D., <i>Clinical Associate in Surgery.</i>	The Rochambeau.

LYLE MILLAN MASON, M.D., <i>Clinical Associate in Urology.</i>	1835 I Street.
ARCH LOCKHART RIDDICK, A.B., M.D., <i>Clinical Associate in Surgery.</i>	1801 I Street.
HAROLD WALTER KROGH, D.D.S., <i>Clinical Associate in Dental Surgery.</i>	1308 18th Street.
PAUL STIRLING PUTZKI, M.D., <i>Clinical Associate in Surgery.</i>	2015 Q Street.
JOHN PAUL EARNEST, Jr., A.B., M.D., <i>Lecturer on Medical Jurisprudence.</i>	The Rochambeau.
GRAFTON TYLER BROWN, B.S., M.D., <i>Lecturer on Allergy.</i>	1801 I Street.
JESSE THOMAS MANN, M.D., <i>Instructor in Anaesthesia.</i>	906 Massachusetts Avenue.
EDWARD BALLARD BROOCKS, M.D., <i>Instructor in Pediatrics.</i>	1337 21st Street.
JOSEPH KREISELMAN, M.D., <i>Instructor in Anaesthesia.</i>	4545 Linean Avenue.
JOSEPH HARRIS, A.B., M.D., <i>Instructor in Obstetrics.</i>	1310 Randolph Street.
EUGENE LYMAN LEMERLE, D.D.S., M.D., <i>Instructor in Anaesthesia.</i>	2011 Q Street.
MARGARET MARY NICHOLSON, A.B., M.D., <i>Instructor in Pediatrics.</i>	1801 I Street.
WILLIAM FRANKLIN SHERIDAN, A.B., <i>Instructor in Pathology.</i>	1335 H Street.
CHARLES ROSENBERG, A.M., <i>Instructor in Bacteriology.</i>	5100 7th Street.
SAMUEL ROSS TAGGERT, M.D., <i>Instructor in Bacteriology and Pathology.</i>	George Washington University Hospital.
LEON GORDON, A.M., M.D., <i>Instructor in Pathology.</i>	321 N Street.
WILLIAM FELLER, A.M., <i>Instructor in Bacteriology.</i>	1005 H Street.
VIRGIL B. JACKSON, M.D., <i>Clinical Instructor in Gynecology.</i>	1801 K Street.
HARRY ARNOLD HULL McNITT, A.M., M.D., <i>Clinical Instructor in Medicine.</i>	The Rochambeau.
BOYCE RICHARDSON BOLTON, M.D., <i>Clinical Instructor in Oto-Laryngology.</i>	1801 I Street.

- CHARLES BERGER CAMPBELL, PHAR.D., M.D.,
Clinical Instructor in Dermatology. The Farragut.
- FRANK LOUIS WILLIMAN, B.S., M.D.,
Clinical Instructor in Medicine. 2731 Connecticut Avenue.
- HERMAN EUGENE KITTREDGE, M.D.,
Clinical Instructor in Dermatology. 922 17th Street.
- HELEN GLADYS KAIN, B.S., M.D.,
Clinical Instructor in Gynecology. 58 T Street.
- RICHARD LAURENS DESAUSSURE, M.D.,
Clinical Instructor in Oto-Laryngology. 1800 I Street.
- GEORGE NORDLINGER, A.B., M.D.,
Clinical Instructor in Gynecology and Obstetrics. 3113 N Street.
- JAMES MCNELLEDGE FADELEY, M.D.,
Clinical Instructor in Urology. 1737 H Street.
- MYER JEROME HERSCHMAN, M.D.,
Clinical Instructor in Urology. Burlington Hotel.
- WILLIAM DENNIS GOODMAN, M.D.,
Clinical Instructor in Urology. The Farragut.
- BENJAMIN NEWHOUSE, M.D.,
Clinical Instructor in Urology. 4213 16th Street.
- WINTHROP ALLEN RISK, M.D.,
Clinical Instructor in Medicine. Tuberculosis Hospital.
- HYMAN DAVID SHAPIRO, M.D.,
Clinical Instructor in Medicine. 4218 16th Street.
- STEWART MAXWELL GRAYSON, M.D.,
Clinical Instructor in Surgery. 1833 New Hampshire Avenue.
- CHARLES OTTERBEIN KNOTT, M.D.,
Clinical Instructor in Urology. 1801 I Street.
- BERNARD LIPSCOMB JARMAN, M.D.,
Clinical Instructor in Oto-Laryngology. The Rochambeau.
- JAMES HOUSTON HAWFIELD, M.D.,
Clinical Instructor in Surgery. 1028 Connecticut Avenue.
- HENRY JOHN RUSSELL McNITT, B.S., M.D.,
Clinical Instructor in Obstetrics. 1835 I Street.
- ANDREW KEENE BOWIE, M.D.,
Clinical Instructor in Medicine. 500 H Street.
- EDWARD JACOB GRASS, A.B., M.D.,
Clinical Instructor in Medicine. 1835 I Street.
- DAVID DAVIS, A.B., M.D.,
Clinical Instructor in Oto-Laryngology. 1835 I Street.

HERMAN SOLOMON HOFFMAN, M.D., *Associate*.
CHARLES ROBERT LEE HALLEY, M.D., *Associate*.
HYMAN DAVID SHAPIRO, M.D., *Associate*.
MAURICE PROTAS, M.D., *Associate*.
NICHOLAS ATHANASIRS MANDELOS, M.D., *Associate*.

GENERAL SURGERY

CHARLES STANLEY WHITE, M.D.
DANIEL LERAY BORDEN, M.D.
ARCH LOCKHART RIDDICK, M.D., *Associate*.
PAUL STERLING PUTZKI, M.D., *Associate*.
WILLIAM BERRY MARBURY, M.D., *Associate*.
WILLIAM WARREN SAGER, M.D., *Associate*.
BENJAMIN FRANKLIN DEAN, M.D., *Associate*.
HOWARD LEE SMITH, M.D., *Associate*.

UROLOGY

FREDERICK AUGUST REUTER, M.D.
LYLE MILLAN MASON, M.D., *Associate*.

ORTHOPEDICS

CUSTIS LEE HALL, M.D.
GUY WHITMAN LEADBETTER, M.D.

OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M.D.
ALBERT PERKINS TIBBETS, M.D.

OTO-LARYNGOLOGY

ALBERT PERKINS TIBBETS, M.D.
DON JOHNSON, M.D., *Associate*.
DAVID DAVIS, M.D., *Associate*.

DERMATOLOGY

CHARLES AUGUSTUS SIMPSON, M.D.
CHARLES BERGER CAMPBELL, M.D., *Associate*.

DENTISTRY

HAROLD WALTER KROCH, D.D.S.
RICHARD KNIGHT THOMPSON, D.D.S., *Associate*.

ANAESTHESIA

CLINE N. CHIPMAN, M.D.
FRANCIS GEORGE SPEIDEL, M.D.
CHARLES WILBUR HYDE, M.D.
OTTO NELLIS WARNER, M.D.

OBSTETRICS AND GYNECOLOGY

HURON WILLIS LAWSON, M.D.
HOWARD FRANCIS KANE, M.D.
ELIJAH WHITE TITUS, M.D.
JACOB KOTZ, M.D.
WILLIAM RAYMOND THOMAS, M.D., *Associate.*
HENRY JOHN RUSSELL McNITT, M.D., *Associate.*

LABORATORIES

ROENTGENOLOGY

CLAUDE MOORE, M.D.

PATHOLOGY AND BACTERIOLOGY

OSCAR BENWOOD HUNTER, M.D.
ROGER MORRISON CHOISSER, M.D.
GEORGE JOSEPH BRILMYER, M.D.

PHYSIOLOGY

LESLIE HOWSON FRENCH, M.D.
ROBERT JOSEPH BOSWORTH, M.D.

CHEMISTRY

JOSEPH HYRAM ROE, Ph.D.
OLIVER JOHN IRISH, M.S.

LABORATORY TECHNICIANS

WILLIAM FRANKLIN SHERIDAN
MATTIE PINNEY

ADMINISTRATION

JASON DAVID BYERS, *Superintendent.*
FRANCIS EDWARD THUNEY, *Assistant Superintendent.*

SCHOOL OF NURSING

ETHEL RUTH SCHOFF, R.N., *Principal.*

DISPENSARY DIVISION

JOHN ALTON REED, M.D., *Director of the Dispensary.*
 HERMAN SOLOMON HOFFMAN, M.D., *Assistant Director.*
 MARY ELIZABETH LEWALLEN, *Clerk.*

MEDICINE

FRANK ADELBERT HORNADAY, M.D. FRED ALOYSIUS JOSEPH GEIER, M.D.
 EVERETT MONROE ELLISON, M.D. MAURICE PROTAS, M.D.
 LESLIE TRACY GAGER, M.D. FRANK LOUIS WILLIMAN, M.D.
 NICHOLAS A. MANDELOS, M.D. HARRY ARNOLD HULL McNITT, M.D.
 HARRY FRIEDENBERG, M.D.

SURGERY

STEWART MAXWELL GRAYSON, M.D. BENJAMIN FRANKLIN DEAN, JR., M.D.
 WILLIAM WARREN SAGER, M.D.

ORTHOPEDICS

EDWIN KIRBY SMITH, M.D.

UROLOGY

FREDERICK AUGUST REUTER, M.D. LYLE MILLAN MASON, M.D.

OBSTETRICS AND GYNECOLOGY

HENRY JOHN RUSSELL McNITT, M.D. PRESTON HAYNES, M.D.
 BERNARD NOTES, M.D. WILLIAM RAYMOND THOMAS, M.D.
 HELEN GLADYS KAIN, M.D. HERBERT PERCY RAMSEY, M.D.
 ESTHER NATHANSON, M.D. CLAYTON HOWARD HIXSON, M.D.

SYPHILOLOGY

CHARLES ROBERT LEE HALLEY, M.D.
 CHARLES OTTERBEIN KNOTT, M.D. GEORGE WILLIAM CRESWELL, M.D.

OTO-LARYNGOLOGY

ALBERT PERKINS TIBBETS, M.D. RICHARD LAURENS DeSAUSSURE, M.D.
 DON JOHNSON, M.D. DAVID DAVIS, M.D.

NEURO-PSYCHIATRY

HYMAN DAVID SHAPIRO, M.D.

ROENTGENOLOGY

CLAUDE MOORE, M.D.

FREDERICK R. SUTTENFIELD, *Technician*

DERMATOLOGY

CHARLES BERGER CAMPBELL, M.D.

DENTISTRY

HAROLD WALTER KROGH, D.D.S.

EMIL HENRY SLOAN, D.D.S. HARRY KAPLAN, D.D.S.

WILLIAM N. JOHANNESSEN, D.D.S. RICHARD KNIGHT THOMPSON, D.D.S.

MEDICAL BUILDING STAFF

ANNA ELIZABETH SELLNER, *Secretary*

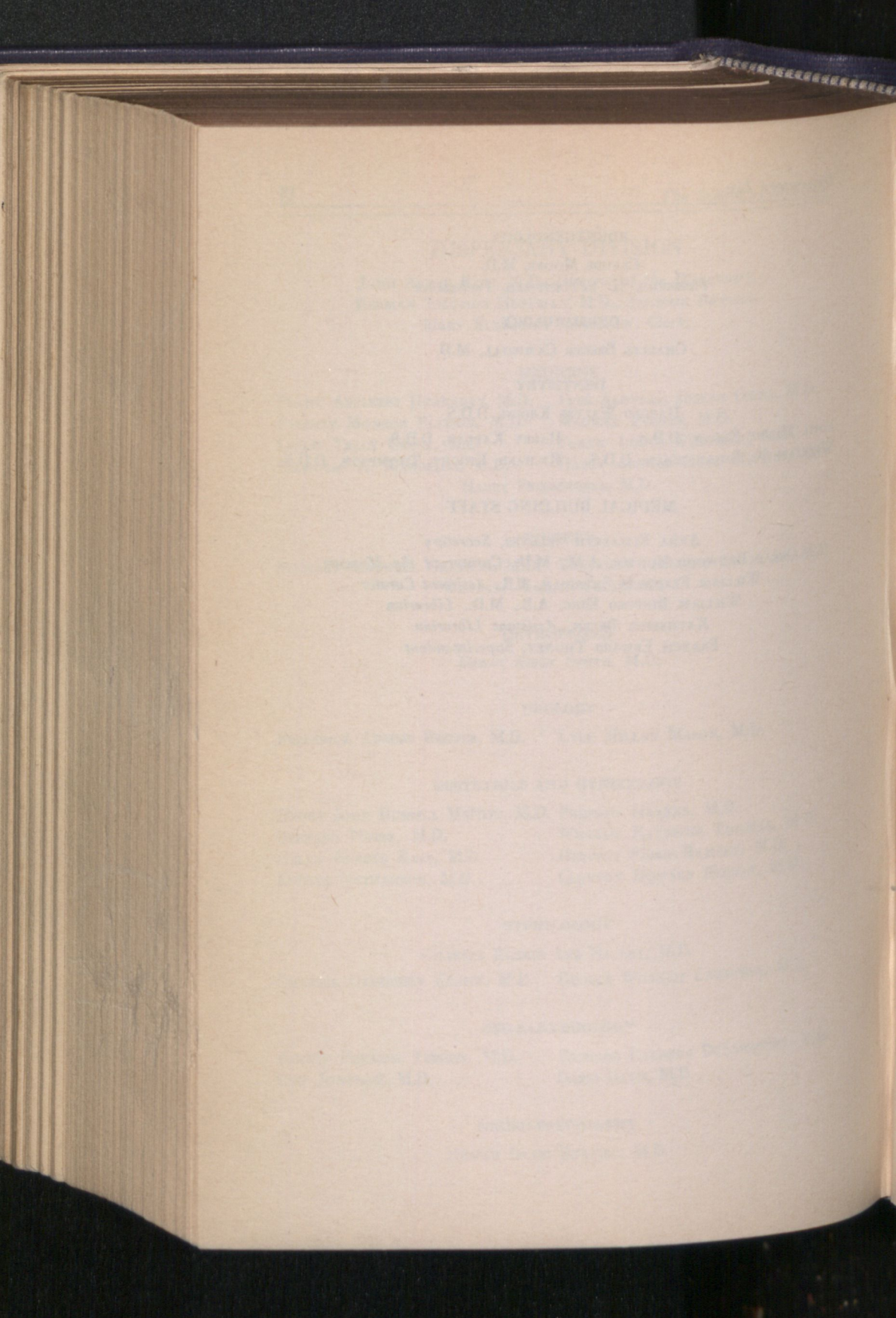
OSCAR BENWOOD HUNTER, A.M., M.D., *Curator of the Museum*

WILLIAM FRANKLIN SHERIDAN, A.B., *Assistant Curator*

WILLIAM BINFORD KING, A.B., M.D., *Librarian*

KATHERINE BREEN, *Assistant Librarian*

FRANCIS EDWARD THUNEY, *Superintendent*



GENERAL INFORMATION

INTRODUCTORY STATEMENT

HISTORY

The first course of lectures in The School of Medicine of The George Washington University began in March, 1825, which makes it the eleventh Medical School established in the United States. The School was first known as the National Medical College and subsequently as the Department of Medicine of the Columbian University. In 1904 the Columbian University became The George Washington University.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of The School of Medicine.

EDUCATIONAL STANDING

The School of Medicine of the University is a member of the Association of American Medical Colleges, and is one of the medical colleges which has been designated continuously as "Class A" by the American Medical Association. The degrees of The School of Medicine are recognized by all state examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

COURSES OFFERED

1. Four-year course leading to the degree of Doctor of Medicine (M.D.).
2. Combined seven-year course leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

COMBINED SEVEN-YEAR COURSE

Registration. Candidates register in The Junior College for the freshman and sophomore years of the Pre-Medical Course, and in Columbian College for the junior year.

Admission. Applicants must meet pre-medical college requirements outlined on page 28.

Course of Study. Candidates must complete at least 94 semester hours of prescribed college work, not including Physical Education (at least 30 semester hours and one year of residence must be completed in Columbian College) and the first year of the medical course. On satisfactory completion of the work outlined above the student will be recommended for the degree of Bachelor of Arts. Upon completion of the fourth year in the medical course the student becomes eligible for the degree of Doctor of Medicine. For further information regarding courses in Columbian College, see page 89 of the University Catalogue.

THE DEGREE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate hospital work in those states which require hospital internship, will admit a graduate to all state examinations.

LOCATION AND ITS ADVANTAGES

The City of Washington with more than a half million inhabitants provides abundant clinical material for its six thousand hospital beds. Much of this material is used for clinical instruction by faculty members. Adjoining The School of Medicine, in the heart of the city, the University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Clinical Chemistry and Microscopy.

The Library of the Surgeon General's office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library as well as The Library of Congress, The Public Library, and the many excellent libraries of the various Government Departments are open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met with in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, The National Museum, The Smithsonian Institution, The Botanic Gardens and The Department of Agriculture, all afford opportunities for study in medicine and its collateral sciences.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and as it is the seat of the National Government, its broad interests, make it an ideal place for a medical student to pass four years of study.

EQUIPMENT

Medical School Building. The building housing The School of Medicine is a modern, five-story structure with lecture and class rooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology

and pharmacology, and bacteriology and pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library, with a librarian in charge, is open for study and reading from 9 a. m. to 4 p. m. It contains a selected reference collection of 2,500 volumes, and provision is made to add to it the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and Dispensary: The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of The School of Medicine, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are under the supervision of the Assistant Dean assigned to the Clinical Division. This insures the highest possible utilization of available clinical material for teaching purposes and proper supervision of clinicians and students, brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment, permits proper interpretation of the conditions occurring during the progress of cases, promotes the keeping of adequate records.

Clinical and clinico-pathological conferences are held in which the history of cases, the physical findings, laboratory records and the post-mortem pathology when available, are presented and correlated. The Assistant Dean of the Clinical Division assigns students to the different clinics, supervises their records, attendance and instruction. Sections of third-year students are assigned in rotation for clinical instruction in the Dispensary.

Callinger Municipal Hospital (Municipal Hospital of the District of Columbia): Clinical instruction in all branches of medicine.

A great wealth of clinical material is afforded in this hospital by ordnance of the municipal authorities of the District, whereby one-half the patients—upwards of 1,000 in number—are assigned for treatment and clinical teaching to members of the faculty of this School, nominated by this University.

Casualty Hospital: Clinical Pathology.

Children's Hospital: Clinical instruction in pediatrics, general and orthopedic surgery.

Emergency Hospital and Central Dispensary: Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

Garfield Memorial Hospital: Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

Providence Hospital: Clinical instruction in medicine and surgery.

St. Elizabeth's Hospital: Clinical instruction in mental and nervous diseases, medicine, surgery, post-mortem work and gross pathology. This hospital, with 4,000 beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital: Clinical instruction in ophthalmology, otology, laryngology and rhinology.

Tuberculosis Hospital: Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

MEDICAL UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this Department is both military and professional and a great portion of it will be found applicable to civil practice, so that a graduate who never elects active duty, will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and, if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200.00. They are obligated to complete the course and to attend one summer camp of instruc-

tion for six weeks for which the students will receive travel allowances, pay at the rate of \$21.00 per month and will be provided with all camp equipment, uniforms and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION REQUIREMENTS

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states, and candidates are advised that if they meet the pre-medical and other requirements of this school they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are 15 units of work in an accredited secondary school, and two years of college work, totaling at least 60 semester hours, in an accredited college of arts and sciences.

SECONDARY SCHOOL REQUIREMENTS

Of the 15 secondary school units* required, 3 must be in English, 2 in foreign language† (ancient or modern), 1 in algebra, 1 in geometry, 1 in history, 1 in science (botany, chemistry, physics or zoology).

a. Eleven of the units offered must be in English, foreign language, mathematics, sciences and history.

b. No candidate will be accepted with any condition in secondary school work.

* A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week each period to be not less than 45 minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

PRE-MEDICAL COLLEGE REQUIREMENTS

- A. *Chemistry*: 12 semester hours[†] as follows:
- (a) 8 semester hours of general inorganic chemistry, of which at least 4 semester hours are laboratory work. Qualitative analysis may be counted as general inorganic chemistry.
 - (b) 4 semester hours of organic chemistry, of which 2 semester hours are laboratory work.
- B. *Physics*: 8 semester hours, of which at least 2 semester hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.
- C. *Biology*: 8 semester hours, of which at least 4 semester hours are laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by a course of 4 semester hours each in zoology and botany, but not by botany alone.
- D. *English Composition and Literature*: 6 semester hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.
- E. *Modern Foreign Language*: A reading knowledge, preferably of French or German.
- F. *Electives*: It is recommended that the remaining semester hours required include:
- (a) comparative vertebrate anatomy.
 - (b) qualitative and quantitative chemistry.
 - (c) social science and psychology.

Conditions: No student will be accepted with any condition in college work.

ADVANCED STANDING

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the pre-medical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

[†] A semester hour is one hour of lecture or recitation, or at least 2 hours of laboratory work per week for one half-year or 16 weeks. If laboratory periods are longer than 2 hours in length their value in semester hours will be no more than that assigned by the college where the work is taken.

APPLICATION FOR ADMISSION

1. While no standard form for the statement of pre-medical credentials is required, certificates submitted must give complete information as to the number of didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them direct to the Dean, The School of Medicine, The George Washington University, 1335 H Street N.W., Washington, D. C.

Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended completely compiled pre-medical credentials and forward them for evaluation as long a time as possible before the opening of The School of Medicine in September.

FEES

The following fees are prescribed by statute:

1. University Fee, each semester or any part thereof	\$6.00
2. Tuition:	
For students entering after September, 1928, per annum	400.00
For students who entered prior to September, 1928, per annum	366.00
3. Material Fee, 1st, 2d, and 3d years, per annum	10.00
4. Breakage Deposit, unused part returnable, per annum	10.00
5. Graduation Fee	20.00
6. Examination Fees:	
Special examination due to absence from regular examination, for each subject	10.00
September, pre-session examinations, for each subject	5.00

PAYMENT

1. All fees are payable at the office of the Assistant to the Comptroller at The Medical Building, 1335 H Street N.W.
2. No student is permitted to complete registration or to attend classes until all fees are paid.
3. On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified

applicants who remit the University Fee, the Material and Breakage deposits, and two months' tuition—a total of \$126.00. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

After the initial payment for two months to secure registration in the freshman class, tuition may be paid in monthly installments in advance.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Beginning with the session 1931-32 payment of fees in The School of Medicine will be as outlined below:

Fees for each trimester will be due and payable in advance as follows:

	1st, 2nd and 3rd years	4th year
First trimester.....	\$160.00	\$150.00
Second trimester.....	140.00	140.00
Third trimester.....	132.00	132.00
	<hr/>	<hr/>
	\$432.00	\$422.00

In exceptional cases, subject to the approval of the Comptroller, students may make special arrangements for the payment of second and third trimester charges.

TEXTBOOKS

The minimum cost of necessary textbooks and student equipment (glass slides, clinical thermometers, stethoscope, hemocytometer, etc.) is approximately as follows:

First year	\$50.00
Second year	87.00
Third year	45.00
Fourth year	30.00
	<hr/>
Total	\$212.00

BOARD AND ROOM

Registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

All women students under twenty-three years of age must have their residence approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships, prizes, and loan funds are available to students in The School of Medicine:

Scholarship. The John Hitz Metzertott Scholarship.
For particulars of application and award, see page 55, in the University Catalogue.

Prizes. The Ordronaux Prize of \$100.00 is awarded to the member of the graduating class who has completed the four-year medical course with the highest scholastic standing.

For information concerning other prizes, see page 58, in the University Catalogue.

Loan Funds. Daughters of the American Revolution Loan Fund, Harmon Foundation Loan Fund, Henry Strong Educational Foundation Loan Fund, University Loan Fund.

For particulars concerning application for loan funds and their administration, see page 63, in the University Catalogue.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE MEDICAL SCHOOL

STUDENT ACTIVITIES

Privileges. Payment of the University fee, charged all students, secures to them the following student activity privileges:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least 60 per cent of the number of hours constituting a full course in his department. No man student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an inter-collegiate contest.

Control. Control and direction of all student activities are vested in the Committees on Extra Curricular Activities, which in turn are subject to the supervision and control of the President's Council.

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials the University attempts to keep informed as to all cases of sickness among its students, and see that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include:

(1) The physical examination of all students entering from secondary schools; (2) Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) Hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term. Necessity to be determined by the Director of Health Administration. Duration of hospitalization period (maximum two weeks) is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.
2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.

3. Students who have severed their connection with the University are ineligible for medical benefits.
4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.
5. During the Summer Session of the University the above regulations will apply with one exception: Hospitalization is not offered at this period.

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are available for graduates and undergraduates of this school in the following hospitals of the District: Casualty Hospital, Children's Hospital, Columbia Hospital for Women, Emergency Hospital, Episcopal Eye, Ear and Throat Hospital, Garfield Memorial Hospital, Providence Hospital, Saint Elizabeth's Hospital, Sibley Hospital, Tuberculosis Hospital, and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association* and a copy of the list may be consulted in the office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with other states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the faculty are eligible for membership on election.

Meetings of the Society are held in the Medical Building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this Society, that they may have the opportunity of hearing the medical papers presented, and become familiar with medical society procedures.

REGULATIONS

Students in The School of Medicine are subject to the general University regulations as stated beginning on page 65 of the University Catalogue.

REGISTRATION AND ADMISSION TO CLASSES

Registration in The School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee deems it advisable to do so.

Time. All matriculations and registrations must be completed within three days after the opening of the session.

Admission to Classes. Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second, third and fourth year students are admitted on presentation of their receipt for the payment of fees.

ABSENCE

1. Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun or leaving before either is dismissed.

2. Absence is not allowed unless an excuse is obtained from the Dean or the Instructor.

3. Application for excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician.

4. For every *unexcused* absence, a department will deduct one-half of one per cent from the student's final grade in the subject involved.

EXAMINATIONS

Examinations may be written, oral or practical and may be held at the completion of each course or at the end of the academic year.

Absence from Examinations. A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination except by special permission of the Advisory Committee. For special examinations a fee of \$10.00 will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of Faculty.

Failure. A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September pre-term examinations.

A student allowed to repeat a year or take the September examinations will be required to take such examinations and to do work in such subjects as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGES AND WITHDRAWALS

Changes in Courses. Course change and withdrawal are not allowed except upon authority of the Advisory Committee.

Withdrawal. To withdraw from a course a written request approved by the Dean is required. Withdrawal permits and course certificates are issued only to those who have a clear financial record with the University.

GRADUATION REQUIREMENTS

Every candidate for the degree of Doctor of Medicine must: (1) be at least 21 years of age, of reputable character and free of financial indebtedness to the University; (2) have fulfilled all admission requirements of this School of Medicine; (3) give evidence of study in an accredited medical school for at least four years of which one year must have been spent in the fourth year of this School of Medicine; (4) passed satisfactorily all examinations.

With Distinction. Candidates who have completed the four-year medical course with an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

LIMITATION OF REGULATIONS

Reservation of Right to Change Rules. The Faculty reserves the right to modify or change requirements, courses, rules and fees in The School of Medicine.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

- (1) Anatomy, including embryology and histology.
- (2) Bacteriology and Pathology, including clinical microscopy, preventive medicine and hygiene.
- (3) Biochemistry, including clinical chemistry.
- (4) Medicine, including allergy, dermatology, neurology, pediatrics, tropical medicine, physical diagnosis, psychiatry, medical jurisprudence and syphilology.
- (5) Obstetrics and Gynecology.
- (6) Pharmacology.
- (7) Physiology, including clinical physiology.
- (8) Surgery, including urology, laryngology, military surgery, ophthalmology, orthopedics, otology, and roentgenology.
- (9) Military Science and Tactics.

Clinics. Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery and Obstetrics and Gynecology. The Assistant Dean assigned to the Clinical Division prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anaesthetics, assists at operations and confinements and studies the care and treatment of cases admitted to the medical wards.

THE PLAN OF INSTRUCTION

Each year of the medical course is divided into the fall (12 weeks), winter (10 weeks), and spring (11 weeks) trimesters. The course for the degree of M.D. must begin with the fall trimester. Admission requirements are given elsewhere but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject material so as to give him not only a single subject, but also the allied subjects in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The

clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of The School of Medicine are attached. The policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of medicine.

FIRST YEAR

During the first year the time of the students is devoted to anatomy, histology and embryology (which is carried on by demonstrations to sections and by work in the dissecting room), physiology and chemistry. The work in general anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable as an exact science although the clinical aspects of the subject are almost constantly in the foreground. Physical and physiological chemistry, completed in the first year, are taught by lectures, demonstrations, recitations and practical work in the laboratory. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession of medicine.

SECOND YEAR

During the second year the work in anatomy, physiology, pathology, bacteriology, immunology and pharmacology is completed. Courses in clinical chemistry, preventive medicine and hygiene are given. The work in bacteriology and immunology is taught by lectures, laboratory work and conferences. Emphasis is laid upon those parts of the subject matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases and their treatment. The medical problems of bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in medicine, surgery, obstetrics, gynecology, pediatrics, therapeutics, clinical microscopy, roentgenology and medical jurisprudence. There are clinical lectures,

demonstrations, diagnostic clinics, operative clinics and follow-up clinics in medicine, surgery, urology, obstetrics, gynecology, neurology, psychiatry, pediatrics, ophthalmology, dermatology, syphilology, laryngology, otology, and orthopedic surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history-taking and the practical technique of physical diagnosis.

FOURTH YEAR

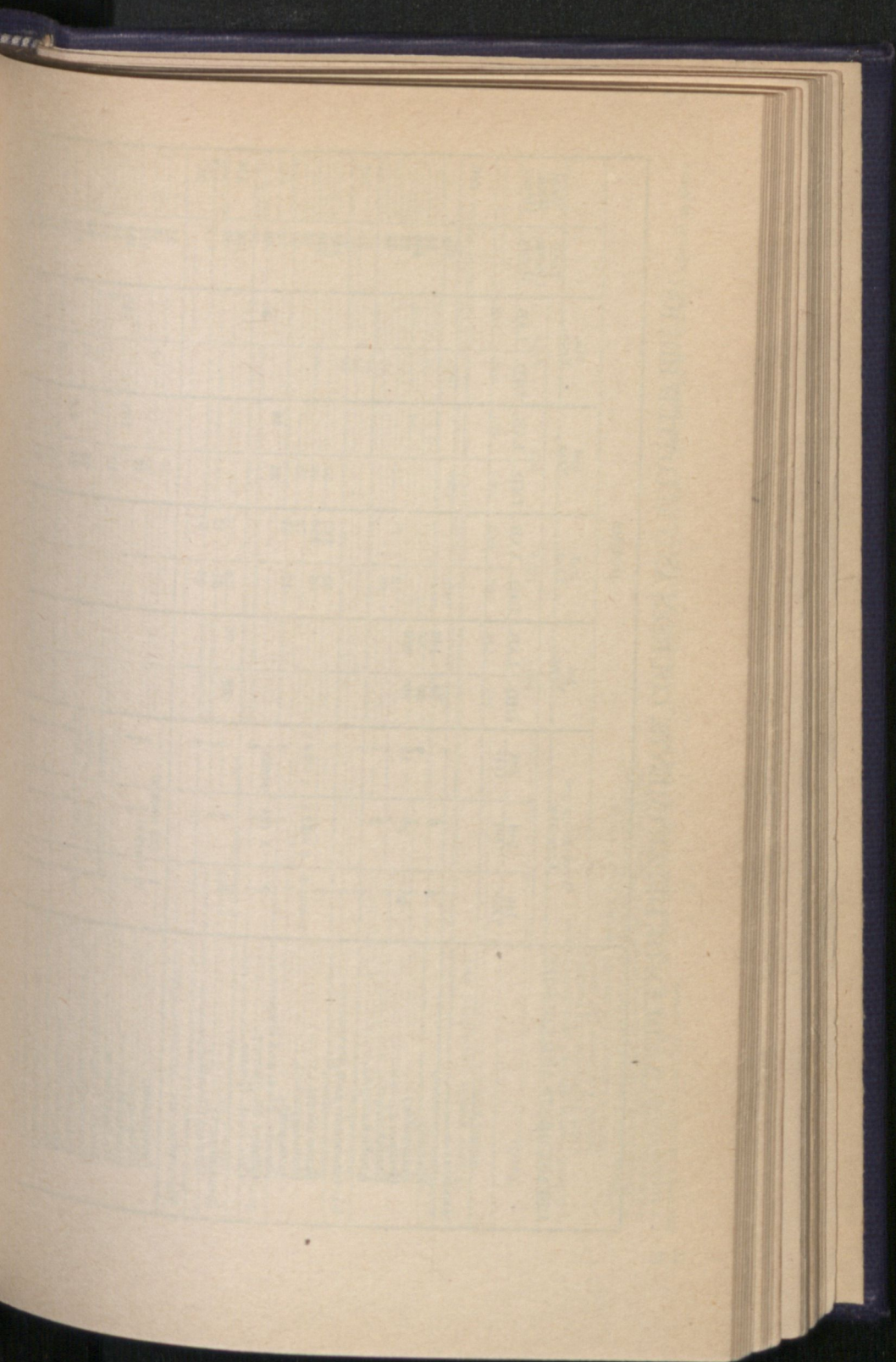
During the fourth year the class is divided into small sections and required to attend ward clinics in The University Hospital, Gallinger Municipal Hospital, The Garfield Memorial Hospital, The Children's Hospital, Providence Hospital, St. Elizabeth's Hospital, The Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics students have the opportunity of applying the various methods of precision (the principles of which they have already studied) and are expected to become familiar with case histories, make diagnoses, give prognoses, advise treatments and watch the progress of cases. A course is given in Medical History and General and Medical Ethics.

COURSES OF INSTRUCTION

The courses of study will be found listed in alphabetical order beginning on page 43.

For catalogues, application blanks and further information, address:

The Dean,
The School of Medicine,
The George Washington University,
1335 H Street N.W., Washington, D. C.

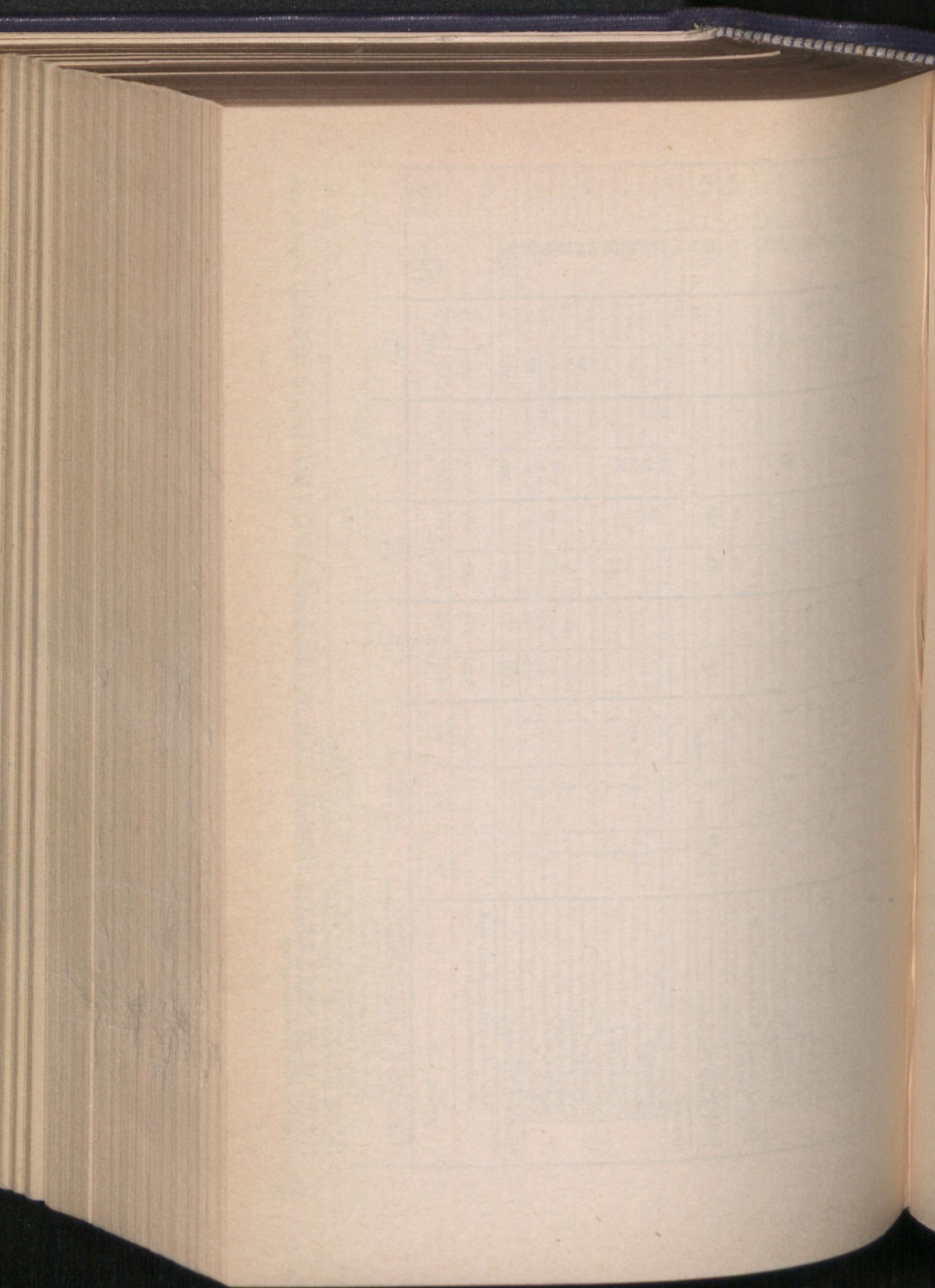


SCHEDULE OF DEPARTMENTS, COURSES AND ALLOTTED HOURS¹

DEPARTMENTS AND COURSES	HOURS											Total Dept. Hours	
	Week-hours per Trimester			1st Year		2nd Year		3rd Year		4th Year			Total Course Hours
	1st (12)	2nd (10)	3rd (11)	DID.	LAB.	DID.	LAB.	DID.	LAB.	DID.	LAB.		
ANATOMY													860
Histology	9	9		30	168							198	
Embryology			9	30	60							90	
Gross	15	15	15	60	420							480	
Neural	6					12	60					72	
Applied		2				20						20	
BACTERIOLOGY AND PATHOLOGY													701
Bacteriology	12	12	19			32	112					144	
Pathology						64	256					320	
Autopsies		3	3			12	51					72	
Prevent. Med. and Hygiene	3	3 (24 weeks)	3					24	48			63	
Clinical Microscopy	1	1	1							30		72	
Clin. Path. Confer.												30	
BIOCHEMISTRY													239
Clinical Chemistry	8	8	3	80	96	21	42					176	
		3										63	
MEDICINE													957
Dermatology ³	1 (22 weeks)							22				22	
Ethics (6 weeks)	4	4	4							6		6	
General Medicine ²			1					132	183			132	
General Clinics			4								310	493	
Medical Jurisprudence												12	
Neurology ²	1	1	1					12				12	
Pediatrics ²	1	1	1							22		22	
Physical Diagnosis	2	4	4					24				24	
Physiology	4	4	4									12	
Therapeutics	1	1	1									3	
Tropical Medicine	1	1	1					33		38		33	

Medical Psychology									
OBSTETRICS AND GYNECOLOGY									
Obstetrics	1 and 2	1 and 2	1 and 2						
Lectures	2 (sections, 7 weeks)	2 (sections, 7 weeks)	2 (sections, 7 weeks)						
Lab. Demonstrations									
Clinics									
Gynecology	1	1	1						
Lectures									
Clinics									
PHARMACOLOGY, MATERIA MEDICA, AND TOXICOLOGY	5	9	2						
PHYSIOLOGY	3 and 12	3	5						
Clinical Physiology	2 (Sections: 7 weeks)								
SURGERY									
Anesthesia ¹	1	2 and 2	2 and 2						
General Surgery ¹	1	1	1						
Minor Surgery ¹	1	1	1						
Neuro-surgery ¹	2	1	1						
Ophthalmology ¹	1	1	1						
Orthopedics ¹									
Oto-laryngology ¹									
Röntgenology ¹									
Surgical Clinics									
Urology	1	1	1						
MILITARY SCIENCES ¹	1	1	1						
1 hour weekly throughout each school year.									
Totals									

¹ School year is divided into three terms:
 First Trimester (12 weeks).
 Second Trimester (10 weeks).
 Third Trimester (11 weeks) (senior year 8 weeks).
² Clinical hours included in hour schedule of "Medical Clinics".
³ Clinical hours included in hour schedule of "Surgical Clinics".
⁴ Elective; hours not included in Medical Course total.
⁵ Autopsy instruction is given for the most part during the 2nd and 3rd trimesters of second year; third and fourth year students attend as many autopsies as their schedules permit.



ANNOUNCEMENT OF COURSES

Note:—First year courses are numbered 101 to 150; second year courses, 151 to 200; third year courses, 201 to 250 and fourth year courses, 251 to 300. The first number in parentheses indicates the total number of hours in the course; the second number, the total number of lecture and quiz hours.

SYNOPSIS OF COURSES

This book is intended to give a general outline of the courses of instruction in the various departments of the University of California, and to show the relation of the different courses to each other. It is not intended to give a detailed description of the courses, or to give the names of the instructors. For these purposes, the student should consult the University Catalogue.

ANATOMY

GEORGE BAIN JENKINS, M.D., *Professor of Anatomy, Executive Officer.*
WILLIAM BINFORD KING, A.B., M.D., *Associate Professor of Anatomy.*
OTTHMAR SOLNITZKY, Ph.D., M.D., *Associate Professor of Anatomy.*
_____, *Instructor in Anatomy.*

Total number of hours required in Anatomy for the M.D. degree—860.

111-112-113. *Gross Anatomy* (480-60) Jenkins, King

The work in this course consists of instruction in osteology followed by the careful dissection and study of the entire body, supplemented by the use of models and prepared specimens. 15 hours per week in the first, second and third trimesters of the first year.

121-122-123. *Histology and Embryology* (288-60)

Jenkins, Solnitzky, King

The work in histology includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. 9 hours per week in the first and second trimesters of the first year. The work in embryology embraces a study of normal development, using chick, pig and human material. Malformations and developmental errors are broadly considered. Stained sections, prepared embryos and models are used. 9 hours per week in the third trimester of the first year.

161. *Neuro-anatomy* (72-12)

Jenkins, Solnitzky

A laboratory course on the gross and microscopic study of the human central nervous system. Special emphasis is laid on the functional significance of parts. 6 hours per week in the first trimester of the second year.

172. *Applied Anatomy* (20-20)

Jenkins, King

This is a recitation course in which the important facts of regional and topographical anatomy are given in their application to the practice of medicine and surgery. 2 hours per week in the second trimester of the second year.

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*

ROGER MORRISON CHOISSEY, B.S., M.D., *Associate Professor of Bacteriology and Pathology.*

GEORGE JOSEPH BRILMYER, M.S., M.D., *Associate Professor of Pathology.*

CLIFT PALSGROVE BERGER, A.M., *Associate Professor of Bacteriology.*

LEON STUART GORDON, A.M., M.D., *Instructor in Pathology.*

SAMUEL ROSS TAGGERT, M.D., *Instructor in Bacteriology and Pathology.*

WILLIAM FRANKLIN SHERIDAN, A.B., *Instructor in Pathology.*

CHARLES ROSENBERG, A.M., *Instructor in Bacteriology.*

WILLIAM FELLER, A.M., *Instructor in Bacteriology.*

Total number of hours required in Bacteriology and Pathology for the M.D. degree—701.

151. *Bacteriology* (144-32) Hunter, Choissey, Gordon.
Berger, Rosenberg, Feller

Lectures and quizzes in the field of bacteriology and immunology and their application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization and bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently, about fifty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this work. 12 hours per week in the first trimester of the second year.

- 152-153. *Pathology* (392-64) Hunter, Choissey, Gordon.
Brilmyer, Taggert, Sheridan

General pathology, covers inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc. This is followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Between two and three hundred sections are stained, mounted and loaned to each student. These sections are carefully exam-

ined and studied by the student who makes colored-pencil drawings of the characteristic lesions shown by them. 12 hours per week in the second and 19 hours per week in the third trimester of the second year. Autopsies for second, third and fourth year students are held at the University and affiliated hospitals. Each autopsy includes presentation of the history and clinical findings of the case and demonstration of the gross pathology, followed later by clinical conferences with presentation of the microscopical findings.

154-155. *Preventive Medicine and Hygiene* (63-12)

Choisser, Rosenberg, Berger

The course in Preventive Medicine and Hygiene consists of lectures, recitations, laboratory work, sanitary excursions and sanitary surveys. Visits are made to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy and pasteurization plants, schools, various industrial plants, and a county health organization. A study will be made of the organization and functioning of a city health department and students will make sanitary surveys of small towns. 3 hours per week in the second and third trimesters of the second year.

201-203. *Clinical Microscopy and Parasitology* (72-24)

Hunter, Choisser, Brilmyer, Berger

In the course in Clinical Microscopy the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial and other parasites, in the estimation of blood coagulation time, etc., in the microscopic study of the sediments of normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites, which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, spinal fluids, pleural exudates, etc. The venomous animals, their venoms and the problems of immunity in this group are studied. The significance and value of all these microscopic findings as applied to pathology and diagnosis are considered. 3 hours per week, first 24 weeks of the third year.

261-263. *Clinical Pathological Conferences* (30-0)

Medical Staff and Hunter

Clinical records of cases dying in the University and Gal-
linger Hospitals are presented by the student assigned to
the case in the wards. Autopsy and clinical findings are
compared with the clinical, and the specimens are demon-
strated and examined by all present. 1 hour per week
throughout the fourth year.

BIOCHEMISTRY

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry, Executive Officer.*
 OLIVER JOHN IRISH, M.S., *Associate Professor of Biochemistry.*
 HAROLD ALBERT CRAFT, M.S., *Assistant Professor of Biochemistry.*

Total number of hours required in Biochemistry for the M.D. degree—239.

101-102. *Biochemistry* (176-80)

Roe, Irish, Craft

A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Laboratory work is planned to supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism. 8 hours per week in the first and second trimesters of the first year.

152-153. *Clinical Chemistry* (63-21)

Roe, Irish, Craft

A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice and feces; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. These studies are carried out upon pathological material from the University Hospital and other sources. 3 hours per week in the second and third trimesters of the second year.

297-298. *Research*

Roe

Hours, fees, and credits by arrangement.

MEDICINE

STERLING RUFFIN, M.D., *Professor Emeritus.*

BUCKNER MAGILL RANDOLPH, M.D., *Professor Emeritus.*

WILLIAM ALANSON WHITE, A.M., M.D., *Professor of Psychiatry.*

HARRY HAMPTON DONNALLY, A.M., M.D., *Professor of Pediatrics.*

WILLIAM JOHNSTON MALLORY, A.M., M.D., *Professor of Medicine.*

CHARLES AUGUSTUS SIMPSON, M.D., *Professor of Dermatology.*

WALTER FREEMAN, A.B., M.D., *Professor of Neurology.*

COURSEN BAXTER CONKLIN, B.S., M.D., A.M., *Professor of Physical Diagnosis.*

WALTER ANDREW BLOEDORN, A.M., M.D., *Professor of Medicine, Executive Officer.*

JOSEPH BURTON GLENN, M.D., *Professor of Therapeutics.*

MONTGOMERY EARLE HIGGINS, M.D., *Professor of Tropical Medicine.*

HARRY ALFRED ONG, M.D., *Associate Professor of Pediatrics.*

ROSCOE WILLIS HALL, Ph.B., M.D., *Associate Professor of Psychiatry.*

CHARLES ROBERT LEE HALLEY, A.B., M.D., *Associate Professor of Medicine.*

THOMAS SIM LEE, A.M., M.D., *Clinical Professor of Medicine.*

JOSEPH WINTHROP PEABODY, M.D., *Clinical Professor of Medicine.*

HENRY COOK MACATEE, M.D., *Clinical Professor of Medicine.*

LESLIE TRACY GAGER, A.B., M.D., *Clinical Professor of Medicine.*

FRANK ADELBERT HORNBADAY, M.S., M.D., *Clinical Professor of Medicine.*

JOHN ALTON REED, M.D., *Clinical Professor of Medicine.*

FRED AUGUST MOSS, Ph.D., M.D., *Clinical Professor of Neuro-Psychiatry.*

PRESTON ALEXANDER MCLENDON, B.S., M.D., *Associate in Pediatrics.*

HARRY SAUL BERNTON, A.B., M.D., *Associate in Medicine.*

EVERETT MONROE ELLISON, Ph.D., M.D., *Clinical Associate in Medicine.*

JOHN MINOR, A.B., M.D., *Clinical Associate in Medicine.*

LOUIS BERNARD CASTELL, Ph.D., M.D., *Clinical Associate in Medicine.*

SIMON RUFUS KARPELES, M.D., *Clinical Associate in Medicine.*

EDWARD LEWIS, M.D., *Clinical Associate in Pediatrics.*

ISAAC SILVERMAN, M.D., Ch.B., *Clinical Associate in Psychiatry.*

FRED ALOYSIUS JOSEPH GEIER, M.D., *Clinical Associate in Medicine.*

HARRY FORD ANDERSON, M.D., *Clinical Associate in Dermatology.*

ARCHIBALD BARKLIE COULTER, M.D., *Clinical Associate in Medicine.*

MAURICE PROTAS, A.B., M.D., *Clinical Associate in Medicine.*

HERMANN S. HOFFMAN, A.B., M.D., *Clinical Associate in Medicine.*

JOHN PAUL EARNEST, JR., A.B., M.D., *Lecturer on Medical Jurisprudence.*

GRAFTON TYLER BROWN, B.S., M.D., *Lecturer on Allergy.*

EDWARD BALLARD BROOCKS, M.D., *Instructor in Pediatrics.*

MARGARET M. NICHOLSON, A.B., M.D., *Instructor in Pediatrics.*

CHARLES BERGER CAMPBELL, Ph.D., M.D., *Clinical Instructor in Dermatology.*

- FRANK LOUIS WILLIMAN, B.S., M.D., *Clinical Instructor in Medicine.*
 HERMAN EUGENE KITTREDGE, M.D., *Clinical Instructor in Dermatology.*
 WINTHROP ALLEN RISK, M.D., *Clinical Instructor in Medicine.*
 HYMAN DAVID SHAPIRO, M.D., *Clinical Instructor in Medicine.*
 EDWARD JACOB GRASS, A.B., M.D., *Clinical Instructor in Medicine.*
 ANDREW KEENE BOWIE, M.D., *Clinical Instructor in Medicine.*
 JAMES MELVIN CAMPBELL, M.D., *Clinical Instructor in Medicine.*
 AARON NIEMETZ, A.B., M.D., *Clinical Instructor in Pediatrics.*
 KATHARINE GODFREY SYMMONDS, A.B., M.D., *Clinical Instructor in Pediatrics.*
 NORVELL BELT, A.B., M.D., *Clinical Instructor in Medicine.*
 CHARLES AURELIUS SCHUTZ, M.D., *Clinical Instructor in Pediatrics.*
 JOHN FRANCIS HARRINGTON, M.D., *Clinical Instructor in Medicine.*
 GEORGE RICHARD HUFFMAN, A.B., M.D., *Clinical Instructor in Medicine.*
 EUGENE CLARENCE RICE, JR., M.D., *Clinical Instructor in Medicine.*
 NICHOLAS ATHANASIOS MANDELOS, M.D., *Clinical Instructor in Medicine.*
 RAPHAEL MANGANARO, B.S., M.D., *Clinical Instructor in Medicine.*
 GEORGE WILLIAM CRESWELL, A.B., M.D., *Clinical Instructor in Medicine.*
 HARRY ARNOLD HULL McNITT, A.M., M.D., *Clinical Instructor in Medicine.*
 JOHN FREDERICK MOORE, B.S., M.D., *Clinical Instructor in Medicine.*
 HARRY FRIEDENBERG, M.D., *Clinical Instructor in Physical Diagnosis.*

Total number of hours required in Medicine for the M.D. degree—958.

201-203. *Physical Diagnosis* (132-24)

Conklin, Minor, Belt, Ruffin, Friedenber

A didactic course is given at the beginning, being necessary to outline general principles. The course is in the main clinical, consisting of section demonstrations and practice on the normal and abnormal subject. The clinical sections receive their instruction at Gallinger Municipal Hospital. 4 hours per week throughout the third year.

204-206. *General Medicine* (132-132)

Mallory, Bjoedorn, Halley

Systematic course of lectures and recitations covering diseases of the respiratory, blood-circulatory, gastro-intestinal, and endocrine systems. 4 hours weekly throughout the third year.

207-209. *Medical Clinics* (408)

Clinical Medical Staff

Well organized group clinics are presented in general medicine, dermatology, neurology, pediatrics and psychiatry at

the bedside and in hospital dispensaries. Clinical conferences with the third or fourth year class in attendance are held weekly. The clinical teaching staff particularly emphasizes the technic and practice of case study. Bedside demonstrations and quizzes play a large part in clinical instruction. Daily throughout the third and fourth years.

225-227. *Therapeutics* (33-33) Glenn

Lectures embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy and other therapeutic resources. 1 hour per week throughout the third year.

231. *Pediatrics* (24-24) Donnelly

The course consists of lectures and demonstrations. 2 hours per week in the first trimester of the third year. (Clinical hours are included in the schedule of medical clinics.)

241-242. *Dermatology* (22-22) Simpson

A course of lectures in the first 22 weeks of the third year supplemented by dermatologic clinics in general dispensaries. (Clinical hours are included in hour schedule of medical clinics.)

243-245. *Tropical Medicine* (33-33) Higgins

The course is similar to that given in the Army and Navy Medical Schools, special attention being given to diseases prevalent in the United States and its possessions. 1 hour per week throughout the third year.

247. *Medical Jurisprudence* (12-12) Earnest

Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. 1 hour per week in the first semester of the third year.

251-253. *Medical Clinics* Clinical Medical Staff

Continuation of *Medical Clinics* 207-209.

261-262. *Neurology* (22-22) Freeman

This course of clinical lectures is given at the Government Hospital for the Insane. 1 hour per week, first and second trimesters, fourth year. (Clinical hours are included in hour schedule of medical clinics.)

271-273. *Psychiatry* (38-38) White and Staff

Clinical lectures exhibiting common types of mental deterioration, supplemented by ward and conference clinics.

38 hours throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

292. *Ethics* (6-6)

W. C. Borden

A course of lectures on general ethics, including personal hygiene, care of laboratory equipment and general conduct, in the first year, and on medical ethics and adaptability for the profession in the fourth year. 6 hours in the fourth year.

293. *Medical Psychology* (10-10)

Hall

A course of lectures presenting the fundamentals of psychology from the medical standpoint. 1 hour weekly, first trimester, fourth year.

MILITARY SCIENCE AND TACTICS

WILLIAM OLENDORF WETMORE, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

The Reserve Officers Training course is elective.

101-103. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Practical and theoretical instruction in the following subjects: Military courtesy and discipline, policy, organization, administration, law, medicine, hygiene and first aid. 1 hour per week throughout the first year.

151-153. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Map reading, organization of the medical department for caring for, transporting of the sick and wounded from the firing line to the hospitals, in the interior, tactics and technique of the several branches of the Army, hospitalization, sanitation with reference to posts, camps, and marches. 1 hour per week throughout the second year.

A summer course at Carlisle Barracks, Pa., following the second year. Six weeks of physical training, athletics, drill, practice marches, practical sanitation, company administration, military tactics and map drawing.

201-203. *(Advanced Medical Course) Military Science and Tactics*

Wetmore

Physical examinations of masses as employed in the Army, food and its relation to disease, water and its relation to disease, prevention and control of communicable diseases from the military standpoint, sanitation in field and garrison. 1 hour per week throughout the third year.

251-253. *(Advanced Medical Course) Military Science and Tactics*

Wetmore

Service in the O. R. C., military hospitals and hospitalization in war, medical and surgical diseases peculiar to war, medical aspects of chemical warfare, aviation medicine, medical aspects of mobilization. Inspection of dairies, ice cream plants and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. 1 hour per week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

- HURON WILLIS LAWSON, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
- HOWARD FRANCIS KANE, A.B., M.D., *Associate Professor of Obstetrics.*
- ELIJAH WHITE TITUS, PHAR.D., M.D., *Associate Professor of Gynecology.*
- THOMAS EDWIN NEILL, M.D., *Clinical Professor of Gynecology.*
- RICHARD LEE SILVESTER, M.S., M.D., *Clinical Professor of Obstetrics.*
- JACOB KOTZ, M.D., *Associate in Gynecology.*
- HENRY LAURAN DARNER, A.B., M.D., *Clinical Associate in Gynecology.*
- JOSEPH HARRIS, A.B., M.D., *Instructor in Obstetrics.*
- VIRGIL B. JACKSON, M.D., *Clinical Instructor in Gynecology.*
- HELEN GLADYS KAIN, B.S., M.D., *Clinical Instructor in Gynecology.*
- GEORGE NORDLINGER, A.B., M.D., *Clinical Instructor in Obstetrics.*
- HENRY JOHN RUSSELL McNITT, B.S., M.D., *Clinical Instructor in Obstetrics.*
- HERBERT PERCY RAMSAY, A.B., M.D., *Clinical Instructor in Gynecology.*
- WILLIAM RAYMOND THOMAS, M.D., *Clinical Instructor in Obstetrics.*
- LAURENCE LEE COCKERILLE, M.D., *Clinical Instructor in Obstetrics.*
- BERNARD NOTES, M.D., *Clinical Instructor in Obstetrics.*
- FRANK EDWARD GANTZ, M.D., *Clinical Instructor in Gynecology.*
- WILLIAM PRESTON HAYNES, M.D., *Clinical Instructor in Obstetrics.*
- ESTHER ALSYLVA NATHANSON, A.B., M.D., *Clinical Instructor in Gynecology.*
- CLAYTON HOWARD HIXSON, M.D., *Clinical Instructor in Obstetrics.*
- ALEC AMBROSE PREECE, M.D., *Clinical Instructor in Obstetrics.*

Total number of hours required in Obstetrics and Gynecology for the M.D. degree—214.

- 211-213. *Normal Obstetrics* (66-66) Lawson, Kane, Silvester, Thomas
Lectures and recitations on the physiology and management of normal pregnancy, labor and the puerperium. The physiology and the immediate care of the newborn child are included. Complications of pregnancy are considered in this course near the end of the year. 2 hours per week throughout the third year.
214. *Obstetrical Demonstrations* (14-0) Harris, Thomas, Notes
During the first part of this course laboratory studies are made of the bony pelvis in relation to childbearing, the changes in the soft tissues due to pregnancy, and the fetus at different ages. During the latter half of the course methods of antepartum examinations are demonstrated in the dispensaries and the clinical course and management of

normal labor studied in the delivery wards. The student observes at least four normal deliveries. Sections, 2 hours per week, seven weeks throughout the third year.

- 223-225. *Principles and Practice of Gynecology* (33-33) Titus, Kotz
A course of lectures and recitations on the subject matter of gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate principles taught. 1 hour per week throughout the third year.

- 251-253. *Abnormal Obstetrics* (30-30) Lawson
Lectures, recitations and conferences on the pathology of pregnancy, labor and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative obstetrics. 1 hour per week throughout the fourth year.

258. *Manikin Demonstrations* (6-0) Harris, Notes
A course of exercises on the mechanism, diagnosis of presentation and position of labor, version and extraction, delivery by forceps, and other manipulations and operations, use being made of bony and metal pelvises, the manikin and fetuses. Sections 2 hours per week for three weeks throughout the fourth year.

- 261-263. *Clinical Obstetrics* (50-0) Lawson, Silvester, Harris, Thomas, Cockerille, Notes, Hixson
This embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

273. *Clinical Gynecology* (15-0) Lawson, Titus, Miller, Neill, Kotz, McNitt, Jackson, Ramsay, Darner
Clinical instruction in various hospitals covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY

GEORGE BYRON ROTH, A.B., M.D., *Professor of Pharmacology, Executive Officer.*

JAMES HOLMES DEFENDORF, A.M., *Associate Professor of Pharmacology.*

Total number of hours required in Pharmacology for the M.D. degree—172.

151. *Chemical Pharmacology* (36-0)

Defendorf

This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilities of drugs. The characteristic reactions of the important constituents in drugs are emphasized and the excretion of certain drugs in man is investigated. 3 hours per week in the first trimester of the second year.

152. *Pharmacodynamics* (50-0)

Roth, Defendorf

The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. If possible, the site of the action of the drug is ascertained, thus affording a rational basis for its use in therapeutics. 5 hours per week in the second trimester of the second year.

161-163. *Systematic Pharmacology* (76-76)

Roth

This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-Official Remedies. 2 hours per week in the first and third trimesters, and 3 hours per week in the second trimester of the second year.

174. *Principles of Prescription Writing* (10-0)

Roth

Conferences on the form of the prescription and drill in elemental prescription writing. 1 hour per week in the second trimester of the second year.

PHYSIOLOGY

LESLIE HOWSON FRENCH, M.D., *Professor of Physiology, Executive Officer.*
 ROBERT JOSEPH BOSWORTH, A.B., M.D., *Associate Professor of Physiology.*
 _____, *Instructor in Physiology.*

Total number of hours required in Physiology for the M.D. degree—279.

- 111-113. *Physiology* (145-145) French, Bosworth
 Course of systematic lectures, recitations and conferences covering the physiology of Muscle, Nerve, Blood, Lymph, Circulation, Respiration, Digestion, Excretion, Secretion, Sense Organs, Metabolism, Endocrine and Central Nervous Systems. 3 hours weekly, first and second trimesters; 5 hours weekly, last trimester of the first year; 2 hours weekly, first trimester of the second year.
151. *Experimental Physiology* (120-0) French, Bosworth
 Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes practical instruction in Electro-cardiography and Metabolism. 10 hours per week in the first trimester of the second year.
152. *Physiology* French, Bosworth
 Continuation of *Physiology* 111-113.
251. *Clinical Physiology* (14-0) French
 Course of laboratory exercises, ward demonstrations, and conferences covering clinical disturbances of function. The subject matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures and suggest rational preventive and curative therapeutic principles. Sections, 2 hours weekly for seven weeks, fourth year.

SURGERY

DANIEL KERFOOT SHUTE, A.M., M.D., *Professor Emeritus.*
WILLIAM KENNEDY BUTLER, A.M., M.D., *Professor Emeritus.*

FRANCIS RANDALL HAGNER, M.D., *Professor of Urology.*
WILLIAM CLINE BORDEN, M.D., *Professor of Medical Ethics and History.*
CUSTIS LEE HALL, M.D., *Professor of Orthopedic Surgery.*
WILLIAM THORNWALL DAVIS, M.D., *Professor of Ophthalmology.*
CHARLES STANLEY WHITE, M.D., *Professor of Surgery, Executive Officer.*
DANIEL LERAY BORDEN, A.M., M.D., *Professor of Surgery.*
CLINE N. CHIPMAN, M.D., *Professor of Anaesthesia.*
JOHN JOSEPH SHUGRUE, M.D., *Professor of Neurological Surgery.*
THOMAS ALLEN GROOVER, M.D., S.D., *Associate Professor of Roentgenology.*
WILLIAM BERRY MARBURY, M.D., *Associate Professor of Surgery.*
FREDERICK AUGUST REUTER, M.D., *Associate Professor of Urology.*
AURELIUS RIVES SHANDS, M.D., *Clinical Professor of Orthopedic Surgery.*
JAMES FERNANDEZ MITCHELL, A.B., M.D., *Clinical Professor of Surgery.*
HOMER GIFFORD FULLER, Ph.B., M.D., *Clinical Professor of Urology.*
CHARLES WILBUR HYDE, M.D., *Clinical Professor of Anaesthesia.*
HENRY WALPER KEARNEY, M.D., *Clinical Professor of Anaesthesia.*
JOSEPH BORROWS BOGAN, M.D., *Clinical Professor of Anaesthesia.*
CLAUDE MOORE, M.D., *Clinical Professor of Roentgenology.*
HARRY HYLAND KERR, M.D., C.M., *Clinical Professor of Surgery.*
WILLIAM HITE HOUGH, Ph.D., M.D., *Clinical Professor of Syphilology.*
RALPH STEVENS PENDEXTER, LL.B., M.D., *Associate in Ophthalmology.*
JOHN HUGH LYONS, M.S., M.D., *Associate in Surgery.*
FRANCIS GEORGE SPEIDEL, M.D., *Associate in Anaesthesia.*
GUY WHITMAN LEADBETTER, A.B., M.D., *Associate in Surgery.*
OTTO NELLIS WARNER, M.D., *Associate in Anaesthesia.*
ALBERT PERKINS TIBBETS, A.B., M.D., *Clinical Associate in Oto-Laryngology.*
HERBERT HERMANN SCHOENFELD, M.D., *Clinical Associate in Surgery.*
PAUL STERLING PUTZKI, M.D., *Clinical Associate in Surgery.*
LYLE MILLAN MASON, M.D., *Clinical Associate in Urology.*
ARCH LOCKHART RIDDICK, B.S., M.D., *Clinical Associate in Surgery.*
HAROLD WALTER KROCH, D.D.S., *Clinical Associate in Dental Surgery.*
WARREN W. SAGER, A.B., M.D., *Clinical Associate in Surgery.*
JESSE THOMAS MANN, M.D., *Instructor in Anaesthesia.*
JOSEPH KREISELMAN, M.D., *Instructor in Anaesthesia.*
EUGENE LYMAN LEMERLE, D.D.S., M.D., *Instructor in Anaesthesia.*
CHARLES OTTERBEIN KNOTT, M.D., *Clinical Instructor in Urology.*
STEWART MAXWELL GRAYSON, M.D., *Clinical Instructor in Surgery.*
BOYCE RICHARDSON BOLTON, M.D., *Clinical Instructor in Oto-Laryngology.*

RICHARD LAURENS DESAUSSURE, M.D., *Clinical Instructor in Oto-Laryngology.*
 JAMES MCNELLEDGE FADELEY, M.D., *Clinical Instructor in Urology.*
 MYER JEROME HERSCHMAN, M.D., *Clinical Instructor in Urology.*
 WILLIAM DENNIS GOODMAN, M.D., *Clinical Instructor in Urology.*
 BENJAMIN NEWHOUSE, M.D., *Clinical Instructor in Urology.*
 MILES PARKER OMOHUNDRO, M.D., *Clinical Instructor in Urology.*
 DANIEL BRUCE MOFFETT, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
 ALAN JEFFRIES CHENERY, M.D., *Clinical Instructor in Urology.*
 WILLIAM THOMPSON BURCH, M.D., *Clinical Instructor in Ophthalmology.*
 BERNARD LIPSCOMB JARMAN, M.D., *Clinical Instructor in Oto-Laryngology.*
 JAMES HOUSTON HAWFIELD, M.D., *Clinical Instructor in Surgery.*
 DAVID DAVIS, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
 NATHAN NORMAN SMILER, M.D., *Clinical Instructor in Surgery.*
 DON SWEET KNOWLTON, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
 EDWARD RICHARD GOKIN, M.D., *Clinical Instructor in Ophthalmology.*
 THOMAS CARLTON THOMPSON, B.S., M.D., *Clinical Instructor in Urology.*
 HOWARD LEE SMITH, M.D., *Clinical Instructor in Surgery.*
 DON JOHNSON, M.D., *Clinical Instructor in Oto-Laryngology.*
 EDWARD ALEXANDER CAFRITZ, M.D., *Clinical Instructor in Surgery.*
 JAMES ALEXANDER SMART, M.D., *Clinical Instructor in Oto-Laryngology.*
 CHARLES LOUIS BILLARD, M.D., *Clinical Instructor in Ophthalmology.*
 GEORGE VICTOR SIMPSON, M.D., *Clinical Instructor in Ophthalmology.*
 LEROY LEE SAWYER, JR., A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
 RICHARD KNIGHT THOMPSON, D.D.S., *Clinical Instructor in Dental Surgery.*
 EMIL HENRY SLOAN, D.D.S., *Clinical Instructor in Dental Surgery.*
 HARRY KAPLAN, D.D.S., *Clinical Instructor in Dental Surgery.*
 FRANK MARKS MCCHESENEY, M.D., *Clinical Instructor in Anaesthesia.*
 EDWARD MORSE PICKFORD, M.S., M.D., *Clinical Instructor in Surgery.*
 WILLIAM J. SNOW, B.S., M.D., *Clinical Instructor in Ophthalmology.*
 BENJAMIN F. DEAN, JR., M.D., *Clinical Instructor in Surgery.*
 WILFORD NEPIH JOHANNESSEN, D.D.S., *Clinical Instructor in Dental Surgery.*
 EDWIN KIRBY SMITH, M.D., *Clinical Instructor in Orthopedic Surgery.*
 ELIZABETH EMERY CHICKERING, M.D., *Clinical Instructor in Anaesthesia.*

Total number of hours required in Surgery for the M.D. degree—700.

201-202. *Minor Surgery (22-22)*

Marbury

This course covers the principles of surgery, antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings and the technique of minor surgical procedures. 1 hour per week in the first and second trimesters of the third year.

- 204-206. *Surgical Clinics* (387) Surgical Clinical Staff
Dispensary, amphitheater and bedside instruction in the practice and principles of surgery. Group instruction is given in general surgery, anaesthesia, neuro-surgery, ophthalmology, orthopedics, roentgenology and urology. Daily throughout the third and fourth years.
- 221-223. *General Surgery* (126-126) White, D. L. Borden, Leadbetter
Course of lectures and recitations covering general surgery as applied to the neck, thorax, abdomen and extremities. 2 hours per week throughout the third and fourth years. (Clinical hours are included in hour schedule of surgical clinics.)
- 233-234. *Roentgenology* (21-21) Moore
The course consists in lectures and demonstrations, both practical and clinical. Fully equipped Roentgen laboratories are maintained and utilized in the University Hospital and the Garfield Memorial Hospital. 1 hour per week in the second and third trimesters of the third year.
- 251-253. *Surgical Clinics* Surgical Clinical Staff
Continuation of *Surgical Clinics* 204-206.
- 254-256. *General Surgery* White, D. L. Borden, Leadbetter
Continuation of *General Surgery* 221-223.
258. *Anaesthesia* (12-12) Chipman
Theoretical and practical instruction is given in the use of general and local anaesthetic agents. 1 hour per week in the first trimester, third year. (Clinical hours are included in hour schedule of surgical clinics.)
- 259-261. *Urology* (30-30) Hagner
This course consists of lectures, bedside teaching and section clinics. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)
- 262-264. *Orthopedics* (30-30) Hall
The course includes the etiology, pathology, symptomology and treatment of congenital and acquired diseases of the bones and joints, the clinical instruction in the treatment and application of appliances for the correction of deformities. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

265. *Ophthalmology* (24-24)

Davis

A lecture course presenting the principles of ophthalmology with special reference to topics of importance to the general practitioner. 2 hours per week in the first trimester of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

267-268. *Oto-Laryngology* (18-18)

Breeding

This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx and the ear. 1 hour per week in the last two trimesters, fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

275-278. *Neuro Surgery* (30-30)

Shugrue

This course consists of lectures and clinical instruction on surgery of the brain and nerves. 1 hour per week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

SCHEDULE OF CLASSES

THE UNIVERSITY OF CHICAGO

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DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE
1100 EAST 58TH STREET
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DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE
1100 EAST 58TH STREET
CHICAGO, ILL. 60637

RECORDS OF CLASSES

FIRST YEAR
First Trimester (12 weeks)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12 Anatomy 111	9-12 Anatomy 111	9-12 Anatomy 111	9-12 Anatomy 111	9-12 Anatomy 111	9-10 Military Science 101
1-2 Physiology 111	1-5 Chemistry 101	1-2 Physiology 111	1-5 Chemistry 101	1-2 Physiology 111	
2-5 Histology and Embryology 121		2-5 Histology and Embryology 121		2-5 Histology and Embryology 121	

Second Trimester (10 weeks)

9-12 Anatomy 112	9-12 Anatomy 112	9-12 Anatomy 112	9-12 Anatomy 112	9-12 Anatomy 112	9-10 Military Science 102
1-2 Physiology 112	1-5 Chemistry 102	1-2 Physiology 112	1-5 Chemistry 102	1-2 Physiology 112	
2-5 Histology and Embryology 122		2-5 Histology and Embryology 122		2-5 Histology and Embryology 122	

Third Trimester (11 weeks)

9-12 Anatomy 113	9-12 Anatomy 113	9-12 Anatomy 113	9-12 Anatomy 113	9-12 Anatomy 113	9-10 Military Science 103
1-2 Physiology 113	1-2 Physiology 113	1-2 Physiology 113	1-2 Physiology 113	1-2 Physiology 113	
2-5 Histology and Embryology 123	2-5 Elective	2-5 Histology and Embryology 123	2-5 Elective	2-5 Histology and Embryology 123	

First Trimester (12 weeks)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12 Bacteriology and Immunology 151	9-12 Bacteriology and Immunology 151	9-12 Bacteriology and Immunology 151	9-12 Bacteriology and Immunology 151	9-12 Pharmacology 151	9-12 Physiology 151
1-2 Pharmacology 161	1-4 Neuro- Anatomy 161	1-2 Pharmacology 161	1-4 Neuro- Anatomy 161	1-2 Military Science 151	
2-5 Physiology 152 & 151		2-5 Physiology 151		2-5 Physiology 152 & 151	

Second Trimester (10 weeks)

9-12 Pathology 152	9-12 Pathology 152	9-12 Pathology 152	9-12 Pathology 152	9-12 Pharmacology { 152 162 174	9-12 Chemistry 152
1-4 Pharmacology { 152 162	1-4 Applied Anatomy 172	1-4 Pharmacology { 152 162	1-4 Applied Anatomy 172	1-2 Military Science 152	
		4-5 Prev. Med. & Hygiene 154		2-4 Prev. Med. & Hygiene 154	

Third Trimester (11 weeks)

9-1 Pathology 153	9-1 Pathology 153	9-1 Pathology 153	9-1 Pathology 153	9-12 Chemistry 153
2-3 Pharmacology 165		2-3 Prev. Med. & Hygiene 154	2-3 Pharmacology 163	1-2 Military Science 153
				2-4

THIRD YEAR

First Trimester (12 weeks)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Medicine 204	Surgery 221	Pediatrics 231	Medicine 204	Pediatrics 231	
9-10	Obstetrics 211	Minor Surgery 201	Gynecology 223	Medical Jurisprudence 247	Obstetrics 211	
10-11		Medicine 204	Surgery 221	Therapeutics 225	Medicine 204	
11.30-2						Clinical Microscopy 201
Clinics* 207 and 204						
2-3	Physical Diagnosis 201					
3-4		Medical Psychology 293	Military Science 201	Dermatology 241	Physical Diagnosis 201	
4-5			Anaesthesia 253	Tropical Medicine 243		

Second Trimester (10 weeks)

8-9	Medicine 205	Surgery 222		Medicine 205		
9-10	Obstetrics 212	Minor Surgery 202	Gynecology 224		Obstetrics 212	
10-11		Medicine 205	Surgery 222	Therapeutics 226	Medicine 205	
11.30-2						Clinical Microscopy 202
Clinics* 208 and 205						
2-3	Physical Diagnosis 202					
3-4			Military Science 202	Dermatology 242	Physical Diagnosis 202	
4-5			Röntgenology 253	Tropical Medicine 244		

Third Trimester (11 weeks)

8-9	Medicine 206	Surgery 223		Medicine 206		
9-10	Obstetrics 213		Gynecology 225		Obstetrics 213	
10-11		Medicine 206	Surgery 223	Therapeutics 227	Medicine 206	
11.30-2						Clinical Microscopy 203
Clinics* 209 and 206						
2-3	Physical Diagnosis 203					
3-4			Military Science 203		Physical Diagnosis 203	
4-5			Röntgenology 254	Tropical Medicine 245		

* See Student Clinical Schedule No. 1.

FOURTH YEAR
First Trimester (12 weeks)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9		Ophthalmology 265				Ophthalmology 265
9-10	Clinics See Student Clinical Schedule No. 2	Obstetrics 251	Clinics See Student Clinical Schedule No. 2	Orthopedics 262	Clinics See Student Clinical Schedule No. 2	Clinic See Student Clinical Schedule No. 5
10-11		Surgery 254		Surgery 254		Urology 259
11-12		Clinics See Student Clinical Schedule No. 3		Neuro-Surgery 275		Pathological Conferences 261
12-1		Clinical Physiology 251		Clinics See Student Clinical Schedule No. 4		
1.30-3.30		Clinics See Student Clinical Schedule No. 3		Neurology 261		
3-4				Psychiatry 271		
4-5						

Second Trimester (10 weeks)

8-9	Laryngology 267	Clinics See Student Clinical Schedule No. 2	Clinics See Student Clinical Schedule No. 2	Orthopedics 263	Clinics See Student Clinical Schedule No. 2	Clinic See Student Clinical Schedule No. 5
9-10	Obstetrics 252			Surgery 255		Urology 260
10-11	Surgery 255			Neuro-Surgery 276		Pathological Conferences 262
11-12	Clinics See Student Clinical Schedule No. 3			Clinics See Student Clinical Schedule No. 4		
12-1	Clinical Physiology 251			Neurology 262		
1.30-3.30	Clinics See Student Clinical Schedule No. 3			Psychiatry 272		
3-4						
4-5						

Third Trimester (8 weeks)

8-9	Laryngology 268	Clinics See Student Clinical Schedule No. 2	Clinics See Student Clinical Schedule No. 2	Orthopedics 264	Clinics See Student Clinical Schedule No. 2	Clinic See Student Clinical Schedule No. 5
9-10	Obstetrics 253			Surgery 256		Urology 261
10-11	Surgery 256			Neuro-Surgery 277		Pathological Conferences 263
11-12	Clinics See Student Clinical Schedule No. 3			Clinics See Student Clinical Schedule No. 4		
12-1	Clinical Physiology 251			Psychiatry 273		
1.30-3.30	Clinics See Student Clinical Schedule No. 3			Psychiatry 273		
3-4						
4-5						

THE RECORD
OF
THE SCHOOL OF MEDICINE
1929-1930

THE BOARD
THE SCHOOL OF MEDICINE
1871

DEGREES CONFERRED

DOCTOR OF MEDICINE

June 12, 1929

LEBERYL HENDERSON ALEXANDER.....	Oklahoma
B.S. 1927, University of Oklahoma	
ISADORE MEYER ALPHER.....	District of Columbia
A.B. 1926, The George Washington University	
LENARD MILO ANDRUS.....	Idaho
B.S. 1921, Utah Agricultural College	
JOHN MARION BABER.....	District of Columbia
L.L.B. 1922, Georgetown University	
L.L.M. 1923, Georgetown University	
*LOUIS BERNARD BACHRACH.....	District of Columbia
WILLIAM COPELAND BATY.....	Alabama
*THRENTON DAVID BOAZ.....	Kentucky
*OMAR JESSE BROWN.....	North Carolina
A.B. 1925, The George Washington University	
*FRANCIS J. BUCKLEY.....	New York
DANIEL MALCOLM CERONE.....	New Jersey
*NATHAN BERTRAM COHEN.....	New Jersey
A.B. 1926, The George Washington University	
JERRY KEITH CROMER.....	Virginia
JOHN VINCENT D'ANGELO.....	New York
JULIUS DANKBERG.....	New York
B.S. 1921, Columbia University	
FREDERICK JOSEPH DeNATALE.....	New York
*VICTOR WILLIAM EISENSTEIN.....	Pennsylvania
B.S. 1925, University of Pittsburgh	
*MARTIN CARROLL FLOHR.....	District of Columbia
A.B. 1926, The George Washington University	
SYLVAN ALFRED FRANKENTHALER.....	New York
*HAROLD FRUCHTER.....	New York
A.B. 1925, The George Washington University	
DAVID ERASTO GARCIA.....	Porto Rico
PERRY WILLIAM GARD.....	Maryland
*VICTOR GENCO.....	New York
JOHN PAUL GIBSON.....	District of Columbia
A.B. 1925, Abilene Christian College	
*HARRY A. GILBERT.....	Oklahoma
A.B. 1926, The George Washington University	
*FRANCIS ELMER GILFOY.....	Connecticut
*MORRIS H. GOLDENBERG.....	New York
A.B. 1926, The George Washington University	
*EDGAR LEONARD GOODMAN.....	District of Columbia
A.B. 1926, The George Washington University	
VINCENT C. GOULD.....	Canada
(With Distinction)	
*ROBERT HOWE HARMON.....	District of Columbia
A.B. 1915, Millsaps College	
MELVILLE LYNWOOD HEIGER.....	District of Columbia
A.B. 1926, The George Washington University	
DOWE S. HESS.....	District of Columbia
*LEO KESSLER.....	New York
A.B. 1926, The George Washington University	
ALICE HEYL KIESSLING.....	District of Columbia
A.B. 1925, Cornell University	
*ALEXANDER C. LEONARDO.....	District of Columbia
ISADORE LEVIN.....	District of Columbia
*NED ARTHUR LEWIS.....	New York
*JESS JOSEPH LIEBERMAN.....	New York
A.B. 1926, The George Washington University	
*EMMETT BRYAN LITTERAL.....	District of Columbia
A.B. 1925, The George Washington University	
PHILIP LATVIN.....	District of Columbia
WILLIAM ELLIS LONG.....	District of Columbia
HENRY MARSHALL LOWDEN.....	Maryland
LEONARD DANIEL MCCARTHY.....	District of Columbia
A.B. 1925, The George Washington University	
*GEORGE HENRY McLAIN.....	District of Columbia
A.B. 1926, The George Washington University	

*JOHN EDWARD McLAIN.....	District of Columbia
A.B. 1926, The George Washington University	
*HERMAN PAUL MILLER.....	New Jersey
B.S. 1926, New York University	
WILLIAM MISSONELLIE.....	New Jersey
Theron H. Morgan.....	Ohio
A.B. 1926, Ohio University	
*OSCAR NORELL.....	Maine
A.B. 1923, University of Maine	
*JOEL NORTON NOVICK.....	New York
B.S. 1923, College of the City of New York	
FERDINAND PIAZZA.....	New York
B.S. 1926, College of the City of New York	
ISRAEL PINTOV.....	New York
JOSEPH SADOFF.....	New Jersey
LOUIS SAFRAN.....	New York
B.S. 1925, College of the City of New York	
*ESTERINO ELIA SANTEMMA.....	New York
B.S. 1926, New York University	
*JOHN U. SCHWARZMANN.....	Virginia
*FRANK WENDALL SENA.....	New Jersey
BENJAMIN SHERMAN.....	Connecticut
*BERNARD SILVERSTEIN.....	New York
B.S. 1925, College of the City of New York	
BLANCHE TABOR.....	Virginia
A.B. 1922, The George Washington University	
LOUIS TICKNER.....	Pennsylvania
A.B. 1927, The George Washington University	
Ph.G. 1923, Philadelphia College of Pharmacy	
DANIEL BOONE WASHINGTON.....	District of Columbia
A.B. 1926, The George Washington University	

* These members completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and will receive their commissions as First Lieutenants of the Medical Reserve Corps.

REGISTER OF STUDENTS

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Names of students who have withdrawn are indicated by ‡

FOURTH YEAR

Algozer, Alfonso Leonard	N. Y.	Merlo, Francis Aurelio	D. C.
Allison, James Clement	D. C.	B.S. 1927, The George Wash-	
Barber, Donald Cole	Ohio	ington University	
B.F.S. 1926, Georgetown Uni-		Morroch, Samuel	N. Y.
versity		Orem, John Manly	D. C.
Boyden, Robert Claibourne	N. Dak.	Paganelli, Hugo R.	N. Y.
Breslow, Samuel	N. J.	Parker, Howard Pope	D. C.
Calandrella, Ralph	Conn.	Quinn, David Edmon	D. C.
Campbell, George K.	Mo.	B.S. 1924, Allegheny College	Ohio
A.B. 1927, The George Wash-		Rod, Isadore	D. C.
ington University		A.B. 1927, The George Wash-	
Cardwell, John Leland	D. C.	ington University	
Delgrego, Arthur Leo	Conn.	Rothman, Herman	Pa.
DeSio, Daniel Stephen	Pa.	B.S. 1928, University of Pitts-	
Detweiler, William Shambough	Va.	burgh	
Dobkin, Joseph J.	D. C.	Sanchez, Luis Antonio	P. R.
Eastlack, William Lloyd	N. J.	Scalzo, John James	N. Y.
Fox, Levi Otis	N. Y.	Schneider, William	N. Y.
Gentile, Luciano F.	N. Y.	B.S. 1927, New York University;	
Gibson, Stuart Bentley	Pa.	B.S.M. 1928, University of	
Grieco, Gaetano	N. Y.	Kansas	
Griffin, Edgar Deucher	D. C.	Schwartzman, Aron	D. C.
A.B. 1927, The George Wash-		A.B. 1927, The George Wash-	
ington University		ington University	
Jones, Benjamin L.	Pa.	Sperr, Alma Jane	D. C.
B.S. 1929, University of Pitts-		A.B. 1913, University of Texas;	
burgh		A.M. 1926, George Washing-	
Kardys, John Albert	Conn.	ton University	
Katz, Max	D. C.	Stoen, Bennett A.	Minn.
Katzman, Sollie	D. C.	Tabb, Samuel Lester	D. C.
Keller, Ira Allen	N. Y.	A.B. 1927, The George Wash-	
B.S. 1923, College of the City of		ington University	
New York		Vita, Frank Joseph	N. J.
Kelly, Fred Robert	Ohio	Wallerstein, Harry	N. Y.
Lavine, Oscar	D. C.	A.B. 1927, The George Wash-	
Liccese, Emanuel	N. J.	ington University	
B.S. 1926, New York University		Weber, George Samuel	D. C.
Marbury, John Bayne	D. C.	Weinstein, Max Jacob	D. C.
Marinello, Joseph Faraday	N. Y.	Weisman, Joseph C.	D. C.
B.S. 1926, College of the City of		Ph.G. 1924, Columbia Univer-	
New York		sity; B.S. 1928, University of	
Meade, Spencer Vincent	D. C.	Missouri	
A.B. 1927, The George Wash-		Wigderson, Charles Bernard	N. Y.
ington University		Wilson, Nat Joseph	Conn.
		A.B. 1926, The George Wash-	
		ington University	

THIRD YEAR

Aybar, Jose A.	P. R.	Casey, Jesse Frank	D. C.
Beam, Vernon Boulter	Canada	A.B. 1925, Guilford College	
Bolton, Robert Meston	D. C.	Clements, William H.	D. C.
Boyer, Milton McKendree	Md.	A.B. 1928, The George Wash-	
A.B. 1923, The George Wash-		ington University	
ington University		Cooper, Albert Derwin	Va.
Burbidge, John Raymond	Idaho	Crowther, Aloha H.	Md.
Campbell, Neil Porter	D. C.	B.S. Phar. 1927, The George	
Campus, Bernard	N. Y.	Washington University	
Caprio, Frank S.	N. J.	Culpepper, Albert Lloyd	N. Mex.
A.B. 1927, University of Penn-		A.B. 1926, University of New	
sylvania		Mexico	
Cardona, Angel A.	P. R.	Cuozzo, Michael A.	N. Y.
Carotenuto, Ralph	N. Y.	Ph.G. 1924, Columbia University	
Carroll, Charles Troll	D. C.	D'Ambola, Philip Ralph	N. J.
A.B. 1929, The George Wash-		Dengler, Ernest Harry	D. C.
ington University		A.B. 1928, The George Wash-	
		ington University	

Diamond, Harry Davis	N. Y.	Mattingly, Richard Vinton	D. C.
DiFino, Felix Joseph	N. J.	L.L.B. 1919, Georgetown University; L.L.M. 1921, Georgetown University; M.P.L. 1921, Georgetown University; A.B. 1923, The George Washington University	Pa.
DiLorenzo, Gaspare	N. Y.	McCarthy, Robert J.	D. C.
B.S. 1926, College of the City of New York		McGreevy, Joan Frances	Ohio
Distefano, Michael S.	N. Y.	Mellon, Wilbur L.	D. C.
B.S. 1927, College of the City of New York		Mezitis, Fofa	
Dowling, Harry Filmore	D. C.	A.B. 1923, The George Washington University	
A.B. 1927, Franklin and Marshall College		Miller, Beveridge	D. C.
Eisenberg, Herman	D. C.	A.B. 1927, The George Washington University	
Erschler, Irving	N. Y.	Miller, Saul Martin	N. Y.
A.B. 1923, The George Washington University		A.B. 1927, The George Washington University	
Fernandez, Ricardo F.	P. R.	Mohr, Charles F.	R. I.
Fortgang, Harry King	N. Y.	Mollica, John Joseph	N. Y.
Fox, Thomas Holland	N. Y.	B.S. 1927, Fordham University	N. Y.
B.S. 1927, St. John's College		Nicosia, Joseph John	N. J.
Friedman, Irving	Va.	Petruska, Albert John	N. Y.
Gary, Edward Thomas	D. C.	Pietropinto, Donato	
A.B. 1927, The George Washington University		B.S. 1927, New York University	N. Y.
Green, Holland Harvey	Ind.	Purpura, John Anthony	P. R.
A.B. 1923, The George Washington University		Rojas, Eli Samuel	Calif.
Greenberg, Louis William	N. Y.	Rosenberg, Seymour J.	Tex.
A.B. 1927, The George Washington University		Scarborough, Dorothy Lee	
Heath, Alma F.	Idaho	A.B. 1923, The George Washington University	N. Y.
Henson, Rex Thomas	Idaho	Schreiber, Maurice Milton	N. J.
A.B. 1927, The George Washington University		B.S. 1923, New York University	N. Y.
Jacobson, Murray Benson	N. J.	Schubert, Roy Roper	
A.B. 1927, Ohio State University		Seckler, Samuel	
Jarvis, James Raymond	D. C.	B.S. 1926, College of the City of New York; M.S. 1927, The George Washington University	N. Y.
A.B. 1927, Ohio State University		Segaul, Herman J.	
Kossow, Maurice J.	D. C.	A.B. 1923, The George Washington University	D. C.
LeHew, Allen Edwin	D. C.	Sichi, William T.	N. J.
A.B. 1923, The George Washington University		Siniscal, Arthur Alfred	N. Y.
Letofsky, Simon	N. Y.	Slipyan, Alvin	Mass.
Lewis, Wayne	Utah	Vartebedian, Leo	D. C.
B.S. 1927, Brigham Young University		Weitzman, Harry Samuel	W. Va.
Maggio, George Anthony	N. J.	Wise, Herbert Bennetto	Ohio
A.B. 1923, Columbia University		Wyman, George P.	
Martin, Wilbur Wynn	D. C.	A.B. 1923, Baldwin-Wallace College	
Mastellari, Amodeo Vincente	Panama		

SECOND YEAR

Adler, Harry	N. Y.	Birnberg, William	N. Y.
A.B. 1923, The George Washington University		Blajwas, Abe	D. C.
Alpert, Henry Rowland	N. Y.	Blakiston, William Stone	Md.
A.B. 1929, The George Washington University		Blank, Henry	N. Y.
Amster, Milton William	N. Y.	A.B. 1929, The George Washington University	N. Y.
A.B. 1929, The George Washington University		Boas, Louis Charles	
Baker, Arthur Gorham	D. C.	A.B. 1929, The George Washington University	Pa.
A.B. 1923, Swarthmore College		Boot, Harry E.	Ohio
Barr, William Carlisle	D. C.	Boswell, Robert Echo	N. Y.
Becher, Abraham	N. Y.	Bressler, David M.	
A.B. 1929, The George Washington University		A.B. 1929, The George Washington University	P. R.
Biondo, Paul M.	Pa.	Calderon, Aureo	Calif.
A.B. 1923, The George Washington University		Chase, Albert Stillman	
		A.B. 1923, University of Southern California	

Cliff, Arthur Edgar A.B. 1929, The George Wash- ington University	D. C.	Lafsky, Benjamin P. A.B. 1929, The George Wash- ington University	D. C.
Conway, William Francis	Ariz.	Lichtman, Abraham P.	D. C.
Crain, Darrell Clayton	D. C.	Mangold, Anthony Joseph	Pa.
Croft, Gordon Yan	Utah	Marquez, Francisco A. A.B. 1929, The George Wash- ington University	P. R.
B.S. 1923, Utah Agricultural College		McLean, Charles Dorsey	Pa.
Dick, Morris Marcus A.B. 1928, The George Wash- ington University	N. Y.	Mejia, Raymond	D. C.
DiGregorio, Arnold Gallileo	N. Y.	Melich, Edward Idel	N. J.
Douglas, Harry Samuel A.B. 1929, The George Wash- ington University	N. Y.	A.B. 1929, The George Wash- ington University	
Edmonston, Raphael A.	D. C.	Mendelsohn, Matthew	D. C.
Elkins, Earl Cook A.B. 1927, Buena Vista College	D. C.	A.B. 1929, The George Wash- ington University	
Fleck, Charles Hayden A.B. 1929, The George Wash- ington University	Pa.	Mulhern, Willis Henry	Pa.
Foster, Major Schuessler B.S. 1928, Alabama Polytechnic Institute		Nelson, George Bailey B.S. 1929, Washington College	Md.
Fowler, William McDaniel	Ala.	Orlean, Robert M.	Va.
Glover, Mervin Wilbur	N. C.	Orlean, Harry	D. C.
Gonzalez, Pablo	D. C.	Passalacqua, Jose Raphael	P. R.
Gordon, Stanley Joseph A.B. 1929, The George Wash- ington University	Ariz.	Richmeyer, Duane Case	Va.
Heilman, Charles	Pa.	Rosenfeld, Hyman S. A.B. 1928, The George Wash- ington University	N. Y.
Hoffman, Isadore Louis A.B. 1929, The George Wash- ington University	D. C.	Scarborough, Marianne	D. C.
Hoyt, John Mitchell A.B. 1928, The George Wash- ington University	N. Y.	Schiffer, Harry Bernard A.B. 1929, The George Wash- ington University	N. Y.
Jackson, J. Melver A.B. 1928, Washington and Lee University	D. C.	Shaffer, Charles M.	Pa.
Kennedy, John J.		B.S. Susquehanna College	
Kerrigan, T. Robert B.S. 1927, University of Pitts- burgh	N. Y.	Smith, Hewitt Wyatt A.B. 1929, The George Wash- ington University	Md.
Klein, Milton A.B. 1928, The George Wash- ington University	D. C.	†Smoot, Kenneth MacLean	D. C.
Klesner, Samuel Franklin A.B. Kalamazoo College	Va.	Solet, Leo	D. C.
Kroll, Max A.B. 1929, The George Wash- ington University		Sox, Carl Caughman B.S., University of South Caro- lina	S. C.
	N. Y.	Steinman, H. Erwin	D. C.
	Pa.	Strawbridge, Francis Neilson A.B. 1929, The George Wash- ington University	D. C.
	N. Y.	Stubbs, Donald A.B. 1929, The George Wash- ington University	D. C.
	Mich.	Susan, Frank A.	Pa.
	N. Y.	Tanner, Ivins Snow	Utah
		Troche, Carmen	P. R.
		Weinstein, David Louis	D. C.
		Williams, Angelo Muollo	Pa.
		Wootton, Roland Henry	Utah
FIRST YEAR			
Alcorn, Lemuel	Pa.	Brown, John Lawrence	Calif.
Bajohr, Albert Joseph	N. Y.	Ceraso, Louis Charles	Pa.
Balsamo, Joseph John	N. J.	B.S. 1929, Bucknell University	
Bashein, Gus	N. Y.	Chase, Morris	D. C.
Beard, William Henry	Md.	Close, Byron Huntington	N. J.
Berlesky, Harry Stephan A.B. 1929, Cornell University	Ohio	Coleman, William Ernest	Ky.
Blazina, William Marion	Pa.	Contes, William Emanuel B.S. 1928, Washington and Jef- ferson College	Pa.
Brand, Morris A.B. 1929, The George Wash- ington University	N. Y.	Corey, Walter Van Arsdale	N. Y.
Breslow, Samuel		†Cosgrove, Robert Sinclair	Calif.
Bria, William Francis	N. Y.	Danno, Samuel Peter	N. J.
Brooks, Solomon A.B. 1929, George Washington University	Conn.	Davidson, Henry Everett	Pa.
Brown, Edith L.	N. Y.	Dean, Howard L.	Va.
A.B. 1916, Hunter College, N. Y. City	N. Y.	DeCarlo, Joseph D.	N. Y.
		Decker, Martin	Ohio
		Dye, Geneva Margaret	D. C.
		Elisco, Pasquale	N. Y.
		Epstein, Joseph	N. Y.

Farley, Ray Francis	N. J.	Pensky, Nathan	N. Y.
Feldman, Irvin	D. C.	A.B. 1929, George Washington University	P. R.
Frame, Charles W.	Md.	Pérez Toledo, Adalberto	Va.
†Friend, Victor Vernon	Tex.	†Pettit, James A.	Ala.
Fugitt, Elmer Wink	D. C.	Price, Lance Charles	N. Y.
Gelpi, William P.	P. R.	Prussin, George	D. C.
Gray, Seeley N.	Wisc.	Reeves, Clyde Pinkney	N. Y.
A.B. 1929, American University		Reff, Benjamin Franklin	
Greenberg, Milton Morton	D. C.	A.B. 1929, George Washington University	N. Y.
Gross, Isidore	N. Y.	Reiley, James Benedict	N. Y.
A.B. 1929, George Washington University		Ph.G. 1923, Fordham University	D. C.
Hart, George Alexis	Del.	Richardson, Francis X.	D. C.
A.B. 1929, University of Pennsylvania		Richwine, Alfred Henry	Pa.
Hess, Rolla Burchard	Calif.	Robb, Harry Joseph	Ohio
Inslicht, Hyman	N. J.	B.S. 1929, University of Pittsburgh	
Jackson, Ruth	D. C.	Rodenbaugh, Fred H.	Pa.
A.B. 1927, George Washington University		B.S. 1923, Kenyon College	Wash.
Johnson, Ernest Clinton	Va.	Ross, Peter William	
B.S. 1929, Virginia Military Institute		Schaill, Clayton M.	N. Y.
Kent, Ann Patrick	D. C.	B.S. 1929, University of Washington	
Kolipinski, Louis Xavier	D. C.	Selinkoff, Joshua Jesse	Pa.
Laurie, Andrew Louis	N. J.	A.B. 1929, The George Washington University	
B.S. 1929, Lebanon Valley College		Shaffer, Lester M.	Pa.
Levin, Samuel George	N. J.	B.S. 1925, Susquehanna University	
A.B. 1929, George Washington University		Sheedy, Leo Patrick	N. J.
Marco, Joseph	Ohio	B.S. 1929, University of Pittsburgh	Ariz.
B.S. 1929, Kenyon College		Shreehan, Hubert Francis	D. C.
Menham, George Stanley Kemp	Pa.	Shupe, Reed D.	
B.S. 1929, University of Pittsburgh		Silverman, Morris	Ore.
Miles, Verlin Estelle	Va.	A.B. 1929, The George Washington University	Wash.
Miller, Nathan	N. J.	Simonton, Kinsey Macleod	
†Miller, Russell Painter	Va.	Snyder, James Leslie	Md.
Miller, William Sterling	Va.	B.S. 1923, University of Washington; M.S. 1929, University of Washington	D. C.
Mira, Anthony A.	N. Y.	Somers, Charles Irving	N. Y.
B.S. 1929, C.C. N.Y. (City College of New York)		Stolar, Robert	D. C.
Mish, Kemp Hammond	D. C.	Topperman, Samuel	D. C.
Mitchell, Ona F.	W. Va.	Weeks, Norman Ernest	Pa.
Mitrani, Jacques Henri	N. Y.	Wolfe, Jared Dunn	
Morgan, Allan V.	Pa.	A.B. 1929, The George Washington University	Calif.
B.S. 1929, University of Pittsburgh		Woo, Henry Bischoff	N. Y.
Mulhern, Franklin Norbert	Pa.	Zaidens, Sadie Helene	
B.S. 1929, St. Vincents College			
Orben, Lloyd Deering	N. Y.		

SUMMARIES OF REGISTRATION

Candidates for degree of Doctor of Medicine:

First Year	88
Second Year	72
Third Year	71
Fourth Year	51
<hr/>	
Total	282

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	2	North Carolina	1
Arizona	3	North Dakota	1
California	6	Ohio	10
Canada	1	Oregon	1
Connecticut	5	Panama	1
Delaware	1	Pennsylvania	28
District of Columbia	75	Porto Rico	11
Idaho	3	Rhode Island	1
Indiana	1	South Carolina	1
Kentucky	1	Texas	2
Maryland	8	Utah	4
Massachusetts	1	Virginia	13
Michigan	1	Washington	2
Minnesota	1	West Virginia	2
Missouri	1	Wisconsin	1
New Jersey	22	<hr/>	
New Mexico	1	Total	282
New York	70		

GRADUATES OF COLLEGES

Alabama Polytechnic Institute.....	1	Ohio State University.....	2
Allegheny College	1	St. John's College.....	2
American University	1	St. Vincent's College.....	1
Brigham Young University.....	1	Susquehanna College	2
Bucknell University	1	Swarthmore College	1
Buena Vista College.....	1	University of Kansas.....	1
College of the City of New York.....	5	University of Missouri	1
Columbia University	4	University of New Mexico.....	1
Cornell University	1	University of Pennsylvania.....	2
Fordham University	2	University of Pittsburgh.....	7
Franklin and Marshall College.....	1	University of Southern California.....	2
George Washington University.....	66	University of Texas.....	1
Georgetown University	2	University of Washington.....	2
Guilford College	1	Utah Agricultural College.....	1
Hunter College	2	Washington College	1
Kalamazoo College	1	Washington and Jefferson Col- lege	1
Kenyon College	2	Washington and Lee University.....	1
Lebanon Valley College.....	1		
New York University.....	3		

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THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

THE LAW SCHOOL
ANNUAL ANNOUNCEMENT
1930-1931

VOL. XXIX

No. 4

WASHINGTON, D. C.

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BY THE UNIVERSITY

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VOL. XXIX NO. 1

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BY THE UNIVERSITY

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CALENDAR OF THE LAW SCHOOL

1930-1931

1930

September 19 to 23	<i>Friday to Tuesday, both dates inclusive</i>	Registration days.
September 24	<i>Wednesday</i>	Academic year 1930-31 begins.
October 22	<i>Wednesday</i>	Fall Convocation.
November 27 to 29	<i>Thursday to Saturday, both dates inclusive</i>	Thanksgiving Recess.
December 22 to January 1	<i>Monday to Thursday, both dates inclusive</i>	Christmas Recess.

1931

January 26 to 31	<i>Monday to Saturday, both dates inclusive</i>	Mid-year examinations.
January 30 and 31	<i>Friday and Saturday</i>	Registration days, second semester.
February 2	<i>Monday</i>	Second semester begins.
February 23	<i>Monday</i>	Winter Convocation. Holiday.
April 6 to 11	<i>Monday to Saturday, both dates inclusive</i>	Easter Recess.
May 18 to June 6	<i>Monday to Saturday, both dates inclusive</i>	Final examinations.
May 30	<i>Saturday</i>	Decoration Day. Holiday.
June 7	<i>Sunday</i>	Baccalaureate Sermon.
June 10	<i>Wednesday</i>	Commencement.
June 12	<i>Friday</i>	Registration for Sum- mer Session begins.
June 15	<i>Monday</i>	First Summer Term begins.
July 29	<i>Wednesday</i>	First Summer Term ends.
	<i>Wednesday</i>	Registration for Second Summer Term begins.
July 30	<i>Thursday</i>	Second Summer Term begins.
September 12	<i>Saturday</i>	Second Summer Term ends.

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The PRESIDENT of the University, *ex-officio*, and the following persons by election:

1931

- JOHN HENRY COWLES, 1733 16th Street.
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Secretary of the Board of Trustees

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HELEN NEWMAN, LL.M., *Secretary of The Law School.*
ANNA MARIE BISCHOFF, A.B., *Recorder for Law Registration.*

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COMMITTEE ON REINSTATEMENT

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THE SECRETARY

COMMITTEE ON STUDENT AFFAIRS

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CHARLES SAGER COLLIER	WILLIAM THOMAS FRYER
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†On sabbatical leave 1930-1931.

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President of the University.

The University.

† WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., Stockton Hall.
Dean of the School and Professor of Law.

Dean of the School and Professor of Law.

CHARLES SAGER COLLIER, A.B., LL.B.,
Acting Dean of The Law School.

Stockton Hall.

Acting Dean of The Law School.

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United States Court House.

LL.D., LITT.D.,

Professor of Law.

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Visiting Professor of Law.

St. Louis University.

Visiting Professor of Law.

LOYD HALL SUTTON, B.S., LL.B.,
Associate Professor of Law.

McLachlen Building.

Associate Professor of Law

* Arranged, with the exception of the President and the Dean, on the basis of collegiate seniority
The address is Washington, D. C., unless otherwise stated.
† On sabbatical leave 1930-1931.

† On sabbatical leave 1930-1931

WILLIAM ARMSTRONG HUNTER, A.B., LL.M., <i>Associate Professor of Law.</i>	Stockton Hall.
WILLIAM THOMAS FRYER, A.B., LL.B., J.D., <i>Associate Professor of Law.</i>	Stockton Hall.
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GILBERT LEWIS HALL, A.B., LL.B., <i>Lecturer in Law.</i>	Wilkins Building.
CLARENCE ALTHA MILLER, LL.M., <i>Lecturer in Law.</i>	1319 F Street.
RALPH HOSKINS HUDSON, LL.B., Graduate U. S. Naval Academy, <i>Lecturer in Law.</i>	700 10th Street.
JAMES OLIVER MURDOCK, PH.D., LL.B., <i>Lecturer in Law.</i>	State Department.
JOHN MONTEITH McFALL, A.B., LL.B., <i>Lecturer in Law.</i>	U. S. Fidelity and Guaranty Company, Baltimore, Md.
FREDERICK CHARLES O'CONNELL, LL.M., <i>Associate in Law and Clerk of the Moot Court.</i>	Clerk's Office, Supreme Court of the District of Columbia.

MOOT COURT OF APPEALS

LEON TOBRINER, LL.B., <i>Chief Justice.</i>	Southern Building.
BRAINARD WARNER PARKER, LL.B., <i>Associate Justice.</i>	Woodward Building.
REGINALD SHIPPEN HUIDEKOPER, LL.B., <i>Associate Justice.</i>	Wilkins Building.

THE LAW LIBRARY

HELEN NEWMAN, LL.M., *Librarian.*
 HARRYMAN DORSEY, *Assistant to the Librarian.*
 ARTHUR SAMUEL HORSLEY, *Assistant to the Librarian.*

GENERAL INFORMATION

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME
BY NATHANIEL BENTLEY
VOLUME I
PUBLISHED BY
J. B. BENTLEY
1857

INTRODUCTORY STATEMENT

The George Washington University Law School, established in 1826, discontinued somewhat later and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the school took part in the organization of the Association of American Law Schools, and has been a member of the Association since that time. In 1911 the school became co-educational. In 1924, in compliance with the requirements of the American Bar Association and of the Association of American Law Schools, the late afternoon course for employed students was increased to four years. On September 1, 1925, the entrance requirements, also in compliance with the requirements of the associations mentioned above, were increased to two years of college work. The school is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine class rooms, library space with a maximum capacity of 40,000 volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of forty-one states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 11:00 P. M. on week days and from 2:00 to 6:00 P. M. on Sundays.

ACADEMIC YEAR

The academic year 1930-31 begins on Wednesday, September 24, 1930, and closes Wednesday, June 10, 1931.

The academic year is divided into two semesters, the second beginning Monday, February 2. In addition there is a summer session of two terms of six and a half weeks each. The summer session of 1930 will begin June 15, the second term beginning July 30.

Registration is permitted at the beginning of the second semester. First year students taking the late afternoon classes may enter at that time for a regular course of ten hours per week. Such students may, by attending the following summer session, complete most of the first year afternoon course. Other students may register for second semester subjects which they are qualified to take but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter convocation February 22.

ADMISSION REQUIREMENTS

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary school work, and at least two years, sixty semester hour credits, of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted conditioned in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in pre-legal studies.

The college work required for admission may be completed in The Junior College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street Northwest.

Advanced Standing. Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student will be admitted who has been in attendance at another law school and is ineligible, because of poor scholarship, to return to that school.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have at the time they register the degree of Bachelor of Arts or an equivalent degree from an approved college, and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

SPECIAL STUDENTS

A limited number of persons who cannot qualify as candidates for a degree but who are over twenty-five years of age and because of their maturity, educational training and practical experience seem qualified to pursue the study of law, may be admitted by the Executive Committee of the Faculty as special students. No special student will be admitted who has not completed at least a four-year high school course.

Candidates for admission as special students must file written applications setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by special students will not be counted toward the degree.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours per week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of pre-legal study should be filed with the Secretary of The Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of The Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in The Law School until proper credentials have been filed and approved by the proper officers of The Law School. (See Admission, above.)

Only with the approval of the Executive Committee may a student be permitted to register in the second semester of a year subject before he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject they must register for the other semester of that subject not later than one calendar year from the time attendance in the first semester was completed.

Registration at the beginning of the academic year indicates the student's program of study for the entire year unless otherwise stated. At the beginning of the second semester all programs for that semester must be rechecked and approved, and the initial payment of tuition fees made. Until this has been done the student will not be placed on the rolls for the semester.

Registration days for the academic year 1930-31 will be Friday to Tuesday, September 19 to 23, both inclusive, and Friday and Saturday, January 30 and 31. Except where special permission is given, students must register on the regular registration days. A late registration fee of \$5.00 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester or for a year subject after the first four weeks of the year.

Change of Registration. Registration may be changed only with the permission of the Dean. A fee of \$2.00 will be charged for each change authorized after registration.

FEES

1. *University fee, per semester	\$ 6.00
2. Tuition fee, per semester hour	8.00
Minimum tuition fee per semester	24.00
3. Graduation fee	20.00
4. Reinstatement fee	4.00
5. Late registration fee	5.00
6. Change fee	2.00
7. Fee for a special examination	10.00

FINANCIAL REGULATIONS

- (a) All fees are payable at the Office of the Comptroller, 2033 G Street.
- (b) No student is permitted to complete registration or to attend classes until he has paid all fees due.
- (c) Fees for each semester are due and payable in advance at the time of registration.
- (d) In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester hours may sign contracts for semester charges, except for the University fee, permitting installment payments as follows:

First Semester

- One-third at the time of registration
- One-third on November first
- One-third on December first

Second Semester

- One-third at the time of registration
- One-third on March first
- One-third on April first

* Students entering prior to the 1928 Summer Session pay \$4.00 a semester

(e) Students who fail to meet installment payments by the tenth of the month will be suspended, and may not attend classes until they have paid all accrued fees, a reinstatement fee of \$4.00, and have been officially reinstated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of The Law School.

(f) No student may register in The Law School who owes fees in any other Department of the University.

REFUNDS

No part of an installment payment shall be returnable. In no case will tuition be reduced because of non-attendance upon classes.

WITHDRAWALS

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

SCHOLARSHIPS AND LOAN FUNDS

Scholarships. Scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to The Registrar of the University, in accordance with instructions stated on pages 55 and 63.

Loan Funds. Through the generosity of friends of the University a number of loan funds are available to students in The Law School. Among these is the Henry Strong—William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury.

PRIZES

Ellsworth Prize. The Ellsworth Prize of \$25.00 is offered by Mr.-Fritz v. Briesen to the student doing the best work in the subject of Patent Law Practice. Awarded in 1928-29 to Arturo Casanova.

Samuel Herrick Prize. A prize of \$25.00 donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class (excepting the winner of the John Bell Lerner Prize) who has attained the highest average grade in the work of the third year. Awarded in 1928-29 to Marian B. Phelps.

John Bell Larner Prize. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who has attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded in 1928-29 to Charles V. Laughlin.

Ordronaux Prizes. A prize of \$50.00 is awarded annually to the student taking the regular full-time course who has attained the highest average grade in the work of the first year. A prize of \$50.00 is awarded annually to the student taking the regular full-time course who has attained the highest average grade in the work of the second year. This was formerly awarded annually as one prize to the student taking the regular course who attained the highest average grade in the work of the second year. Awarded in 1928-29 to Francis Kirkham.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the Senior Class of The Law School.

DEGREES

The degrees are Bachelor of Laws and Master of Laws.

Six-Year Combined Course for the Degrees of Bachelor of Arts and Bachelor of Laws. The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in The Law School. (See *Columbian College Announcement*, page 97.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

Six-Year Combined Course for the Degrees of Bachelor of Science in Engineering and Bachelor of Laws. The University will confer the degree of Bachelor of Science in Engineering upon the completion of the first three years of the course for that degree in the College of Engineering of The George Washington University and the first year in The Law School. (See announcement of the general course in The School of Engineering, page 155.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and complete the prescribed number of credit and required subjects.

Residence. The attendance requirement for this degree is three academic years for full-time students and four academic years for part-time students of which at least one academic year must be spent in residence at The George Washington University Law School. A year's attendance in the late afternoon classes for part-time students is counted as residence for three-fourths of a year.

Number of Credits. The credit requirement is 80 semester hours. A semester hour is an hour a week of class work for one semester.

Scholarship. The 80 semester hours of work required must be completed with an average grade of at least "C," and not more than sixteen hours with a grade of "D" may be counted toward the degree.

Required Subject. The following subjects are required for the degree of Bachelor of Laws: 111-112, Contracts; 124, Criminal Law and Procedure; 133-134, Personal Property; 137-138, Real Property I; 141-142, Torts; 163-164, Bills and Notes; 167-168, Civil Procedure; 171-172, Equity II; 177-178, Evidence; 187-188, Real Property II; 251-252, Constitutional Law; 257-258, Corporations; 281-282, Moot Court, or Patent Moot Court.

Honors. The degree of Bachelor of Laws "With Distinction" will be awarded students who obtain an average grade of "A."

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

Trusts, Conflict of Laws, and Constitutional Law, must be included in the course for the degree of Master of Laws if not previously taken. No first year subject and no second year required subject may be counted toward this degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

Scholarship. Courses taken for the Master's degree must be completed with a grade of not less than "C" in each subject and with an average grade of not less than "B."

REGULATIONS REGARDING DEGREES

Non-continuous Attendance. Candidates absent for more than one continuous academic year may re-enter and continue their work only under the rules and regulations in force at the time of their return. The Executive Committee, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

Right to Refuse. The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Application for Graduation. Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

HOURS OF INSTRUCTION

Hours. The regular course for full-time students is given from 9:00 A. M. until 1:00 P. M. Employed students may take the regular course in the classes held at 5:10 P. M. and 6:10 P. M.

Courses Offered. The statement of the courses of study offered will be found beginning on page 23.

REGULATIONS

Students registered in The Law School are governed by the University regulations as stated beginning on page 65 of the University Catalogue.

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9:00 A. M. to 1:00 P. M., may with the permission of the Dean take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9:00 A. M., may not register for more than ten hours per week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when in the judgment of the Dean the best interests of the student require it.

GRADES

The grade of a student in each subject is indicated by the letter P, Pass; D, Conditional Pass; or F, Failed. The meaning of these grades is as follows:

P, Pass, means that the work has been successfully completed and full credit given for the subject.

D, Conditional Pass, means that credit is given for the subject but not more than sixteen semester hours of such credit may be counted toward the degree.

F, Failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year has received a grade of F in one subject only and obtained a general average of C, may take the next regular examination in that subject, and if on such reexamination he attains the grade of C or better he will be given a grade of D (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: A, excellent, 85-100; B, good, 75-84; C, pass, 65-74; D, conditional pass, 55-64; F, failure, below 55.

SCHOLARSHIP REQUIREMENTS

Unless a student in each academic year receives a grade above F in at least three-fourths of the semester hours in which he is registered and obtains a numerical average grade of not less than 60 he will be denied registration in the future, but upon written application to the Committee on Reinstatement showing sufficient cause, and after a personal hearing if he so desires, he may be reinstated on such conditions as the committee may impose.

Graduation Requirement. See "Requirements for the Degree of Bachelor of Laws," page 17.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

In the case of absences exceeding ten per cent of the class hours and less than twenty-five per cent, these absences shall be added at the end of the academic year and for each fifteen hours of such absence the student's credit for the year shall be reduced by one semester hour. If a student is absent for more than twenty-five per cent of the classes in any subject he shall not be eligible to take the examination in that subject or to receive credit therefor. In all cases absences due to late registration shall be included.

CHANGES AND WITHDRAWALS

Changes in courses and withdrawals may be arranged *only in the office of the Dean or Secretary*. Unless this is done students will be treated as registered for the subjects shown on the original registration blanks and fees will be charged accordingly.

In no case will tuition fees be reduced because of non-attendance upon classes.

Withdrawals during a semester may be granted by the Dean upon *written application* setting forth reasons. See also page 15.

A fee of \$2.00 will be charged for any change in courses after registration.

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in nor permitted to receive credit in less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; except, that upon written application to the Executive Committee, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the committee, be given a special examination not less than sixty days after the one which he failed to take or pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows:

First year to 27; Second year, 28 to 55; Third year, 56 or more.

BOARD AND ROOM

Registers of rooms which have been inspected and approved are kept in the office of the Secretary for Women's Activities, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

All women students under twenty-three years of age must have their residence approved by the Secretary for Women's Activities, unless they are living with family or relatives. Registration is not complete until such approval is given.

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials the University attempts to keep informed as to all cases of sickness among its students, and sees that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include: Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation or X-ray examination; hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term, necessity to be determined by the Director of the Health Administration. Duration of hospitalization (maximum two weeks) period is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.
2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.
3. Students who have severed their connection with the University are ineligible for medical benefits.
4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.
5. During the Summer Session of the University the above regulations will apply with one exception: Hospitalization is not offered at this period.

EMPLOYMENT

The University maintains an employment bureau which will assist students to find employment. Prospective students should have the means of support for at least half a year to give them time to secure positions.

Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a limited course in the late afternoon.

For further information address:

The Appointment Office,
The George Washington University,
Washington, D. C.

STUDENT ACTIVITIES

Privileges. The following student activity privileges are included in the payment of the University fee charged all students:

1. Gymnasium privileges, including participation in intrauniversity athletic sports and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least 60 per cent of the number of hours constituting a full course in his department.

No student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an intercollegiate contest.

For catalogues, application blanks and further information, address:

The Dean of The Law School,
The George Washington University,
720 20th Street N.W., Washington, D. C.

COURSES OF INSTRUCTION

Note:—First year courses are numbered 101 to 150; second year courses, 151 to 200; third and fourth year courses, above 200. First semester courses are given odd numbers, 1, 3, 5, etc., and second semester courses even numbers, 2, 4, 6, etc. A course running throughout the year is given a double number, as, 101-102. The number of semester hours credit given in each course is indicated in parentheses, as, a year course giving two hours credit each semester is marked (2-2). When a course is given in more than one section, the morning section is designated "A" and the afternoon section "B".

COURSES OF INSTRUCTION

FIRST YEAR SUBJECTS

- 101-102. *Agency* (2-2) Fryer, Wheaton
Mechem's Cases on Agency (2nd edition by Seavey). Monday and Wednesday, 12:10 p. m. *Summer Session 1930*: Second term, Monday to Friday, inclusive, 5:10 and 6:10 p. m.
- 111-112. *Contracts* (4-3) Moll, Benson, Davison
Williston's Cases on Contracts. First Semester—*Section A*, Tuesday and Wednesday, 9:10 a. m., and Wednesday and Thursday, 11:10 a. m. *Section B*, Wednesday and Thursday, 5:10 and 6:10 p. m. *Section C*, Monday and Tuesday, 5:10 and 6:10 p. m. Second Semester—*Section A*, Wednesday and Thursday, 9:10 a. m., and Friday, 11:10 a. m. *Section B*, Wednesday, 5:10 and 6:10 p. m., and Thursday, 5:10 p. m. *Section C*, Monday, 5:10 and 6:10 p. m., and Thursday, 6:10 p. m. *Special*, Tuesday and Friday, 5:10 and 6:10 p. m.
124. *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. *Section A*, Monday, Tuesday, Friday, 9:10 a. m. *Section B*, Monday, 5:10 and 6:10 p. m. and Thursday, 6:10 p. m. *Section C*, Tuesday, 5:10 and 6:10 p. m. and Thursday, 5:10 p. m.
- 133-134. *Personal Property* (2-2) Fryer, Benson
Larremore's Cases on Personal Property. Morgan's Introduction to the Study of Law. First semester—*Section A*, Monday, 10:10 and Friday, 11:10 a. m. Second semester—Monday, 10:10; Tuesday, 11:10 a. m. *Section B*, Tuesday, 5:10 and 6:10 p. m. *Section C*, Friday, 5:10 and 6:10 p. m. *Summer Session 1930*: Second term, Monday to Friday, inclusive, 5:10 and 6:10 p. m.
- 137-138. *Real Property I* (2-2) Benson
Biglow's Cases on Rights in Land; Aigler's Cases on Titles. *Section A*, Thursday and Friday, 12:10 p. m. *Section B*, Thursday, 5:10 and 6:10 p. m.
- 141-142. *Torts* (4-2) Hunter, Hall
Wilson's Cases on Torts. First Semester—*Section A*, Monday, Thursday, Friday, 9:10 a. m. and Tuesday, 11:10 a. m.

Section B, Monday and Friday, 5:10 and 6:10 p. m. *Section C*, Wednesday and Thursday, 5:10 and 6:10 p. m. Second Semester—*Section A*, Wednesday and Thursday, 11:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m. *Section C*, Wednesday, 5:10 and 6:10 p. m. *Summer Session 1930*: First term. Monday to Friday, inclusive, 5:10 and 6:10 p. m.

SECOND YEAR SUBJECTS

- 163-164. *Bills and Notes* (2-2) Oppenheim
 Britton's Cases on Bills and Notes. *Section A*, Monday and Wednesday, 12:10 p. m. *Section B*, Monday, 5:10 and 6:10 p. m.
- 167-168. *Civil Procedure* (2-2) Clephane, Hunter
 First semester—*Section A*, Sunderland's Cases on Common Law Pleadings, Tuesday and Wednesday, 9:10 a. m. Second semester—*Section A*, Wednesday and Thursday, 9:10 a. m. *Section B*, Shipman on Common Law Pleading; Clephane on Equity Pleading, Tuesday, 5:10 and 6:10 p. m.
169. *Damages* (2) Arnold
Summer Session 1930: Second term, Beale's Cases on Damages, 3rd edition. Monday and Thursday, 5:10 and 6:10 p. m.; Wednesday, 6:10 p. m.
170. *Domestic Relations* (2) Moll
Summer Session 1930: First term, Woodruff's Cases on Domestic Relations. Tuesday to Saturday, inclusive, 7:45 to 8:35 a. m.
- 171-172. *Equity II* (2-2) Spaulding
 Ames' Cases on Equity Jurisprudence, Vol I. *Section A*, Monday, 9:10 and Friday, 10:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m. *Summer Session 1930*: First term—Monday to Friday, inclusive, 5:10 and 6:10 p. m.
- 177-178. *Evidence* (2-2) Latimer, Fryer
 Hinton's Cases on Evidence. *Section A*, Thursday and Friday, 12:10 p. m. *Section B*, Monday, 5:10 and 6:10 p. m.
179. *Insurance* (2) McFall
 Woodruff's Cases on Insurance. Saturday, 5:10 and 6:10 p. m.
181. *Legal Bibliography and Brief Making* (1) Miller
 Monday, 6:10 p. m.

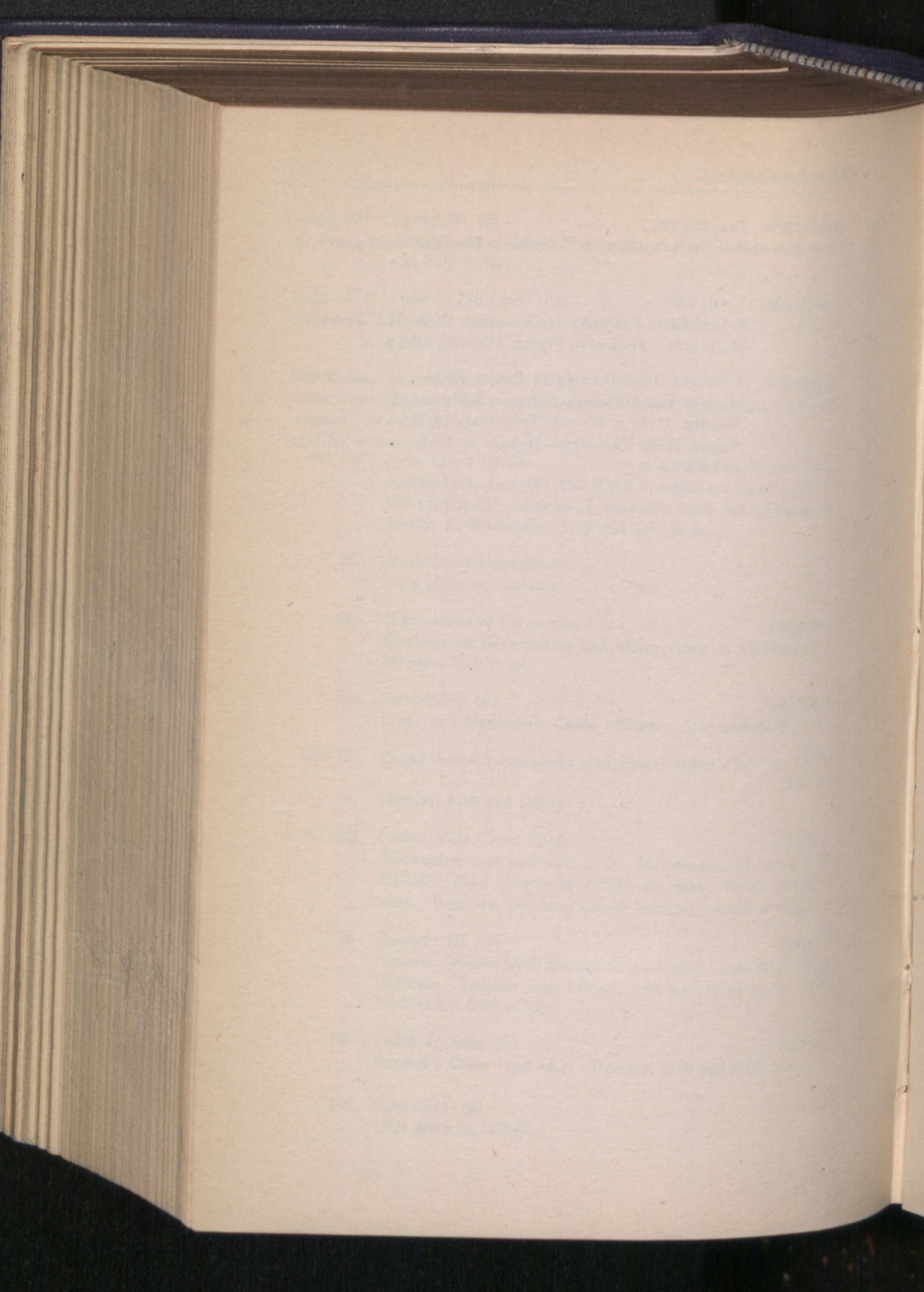
184. *Mortgages* (2) Collier
Kirchwey's Cases on Mortgages. *Summer Session 1930:*
First term—Monday and Thursday, 5:10 and 6:10 p. m. and
Wednesday, 5:10 p. m.
185. *Quasi-Contracts* (2) Moll
Thurston's Cases on Quasi-Contracts. *Summer Session 1930:*
First term—Tuesday and Friday, 5:10 and 6:10 p. m. and
Wednesday, 6:10 p. m.
- 187-188. *Real Property II* (2-2) Oppenheim
Aigler's Cases on Titles. First semester—*Section A*, Thurs-
day and Friday, 9:10 a. m. Second semester—Tuesday and
Friday, 9:10 a. m. *Section B*, Thursday, 5:10 and 6:10
p. m.
- 191-192. *Sales* (2-2) Oppenheim
Williston's Cases (3rd ed.). Wednesday, 5:10 and 6:10 p. m.
197. *Water Rights* (2)
(Not given 1930-31.)

THIRD AND FOURTH-YEAR SUBJECTS

208. *Administrative Law* (2) Davison
Case book to be announced. Tuesday, 5:10 and 6:10 p. m.
217. *Admiralty* (2) Alden
Lord and Sprague Cases on Admiralty Jurisdiction and
assigned readings. Friday, 5:10 and 6:10 p. m.
220. *Bankruptcy* (2) Brandenburg
Tuesday, 5:10 and 6:10 p. m.
- 221-222. *Conflict of Laws* Spaulding
Beale's Cases (2nd ed.). *Section A*, Wednesday and Thurs-
day, 11:10 a. m. *Section B*, Thursday, 5:10 and 6:10 p. m.
- 251-252. *Constitutional Law* (2-2) Collier
Hall's Cases. *Section A*, Tuesday, 10:10 and Friday, 11:10
a. m. *Section B*, Tuesday, 5:10 and 6:10 p. m.
- 257-258. *Corporations* (2-2) Davison
Warren's Cases. *Section A*, Monday and Friday, 10:10 a. m.
Section B, Friday, 5:10 and 6:10 p. m.

271. *Equity III* (2) Spaulding
Ames' Cases on Equity Jurisprudence, Vol II. Monday, 5:10
and 6:10 p. m.
275. *Federal Procedure* (2) Brandenburg
Hopkin's Judicial Code (3rd ed.). Tuesday, 5:10 and 6:10
p. m.
- 279-280. *International Law* (2-2) Murdock
Hudson's Cases on International Law. Wednesday, 5:10 and
6:10 p. m.
- 281-282. *Moot Court* (2-2) Clephane, Earnest, Cox
Prerequisite: Law 167-168 (Civil Procedure); and Law 177-
178 (Evidence). *Section A*, Saturday, 9:10 and 10:10 a. m.
Section B, Wednesday, 5:10 and 6:10 p. m.
283. *Municipal Corporations*
(Not given in 1930-31.)
285. *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations.
Monday, 5:10 p. m.
288. *Partnership* (2) Spaulding
Crane and Magruder's Cases. Monday, 5:10 and 6:10 p. m.
- 289-290. *Patent Law* (Substantive) and *Patent Office Practice* (2-2)
Sutton
Monday, 5:10 and 6:10 p. m.
- 291-292. *Patent Moot Court* (2-2) Hudson
Wednesday, 5:10 and 6:10 p. m. May be elected instead of
281-282 (Moot Court) to satisfy the Moot Court require-
ment. Both subjects may not be counted toward a degree.
294. *Property III* (2) Arnold
Summer Session 1930: Second term—Kale's Cases on Future
Interests. Tuesday and Friday, 5:10 and 6:10 p. m. and
Wednesday, 5:10 p. m.
295. *Public Utilities* (2) Benson
Burdick's Cases (2nd ed.). Tuesday, 5:10 and 6:10 p. m.
298. *Suretyship* (2)
(Not given in 1930-31.)

299. *Taxation* (2) Collier
Rotschaefer's Cases on Taxation. Thursday, 5:10 and 6:10
p. m.
- 301-302. *Trusts* (2) Moll
Scott's Cases. *Section A*, Tuesday, 11:10 and Thursday,
10:10 a. m. *Section B*, Friday, 5:10 and 6:10 p. m.
- 303-304. *Wills and Administration of Estates* (2-2) Benson
Mechem and Atkinson's Cases on Wills and Administration.
Monday, 11:10 a. m. and Wednesday, 10:10 a. m. *Summer
Session 1930*: First term—Monday to Friday, inclusive, 5:10
and 6:10 p. m.



THE RECORD
OF
THE LAW SCHOOL
1929-1930

THE RECORD
OF
THE LVA SCHOOL
1901-1902

DEGREES CONFERRED

BACHELOR OF LAWS

June 12, 1929

MORRIS ABRAMOWITZ	Connecticut
CLARENCE RICHARDSON BARROW	California
LEROY SCHWAAG BENDHEIM	Virginia
A.B. 1928, The George Washington University	
SAMUEL BOGORAD	District of Columbia
GEORGE FRANKLIN BRANDT, Jr.	Tennessee
REED E. CALLISTER	California
JOHN QUAYLE CANNON, Jr.	Utah
STEPHEN JAY CAREY	New Jersey
A.B. 1927, The George Washington University	
ARTURO Y. CASANOVA, Jr.	District of Columbia
B.S. in C.E. 1922, Carnegie Institute of Technology	
ROLLIN MARLMESTON CLARK	District of Columbia
B.S. in M.E. 1920, University of Pennsylvania	
ALLEN COE	District of Columbia
A.B. 1927, The George Washington University	
MARY ESTHER CROGGON	District of Columbia
WILLIAM G. CULLEN	New Mexico
A.B. 1916, University of Oklahoma	
DEAN DINWOODEY	Idaho
A.B. 1922, University of Utah	
KENNETH DONALDSON	District of Columbia
C.E. 1924, Lehigh University	
LUCILE DONOVAN	Indiana
JAMES HENRY DOYLE	New York
Graduate, U. S. Naval Academy, 1919	
(With Distinction)	
HENRY HAROLD ELLIOTT	District of Columbia
B.S. in Economics 1920, University of Pennsylvania	
SAMUEL EVERETT ENTRIKEN	District of Columbia
MORTON GEORGE GOLDBERG	District of Columbia
HARRY SAMUEL GOLDSTEIN	District of Columbia
A.B. 1926, The George Washington University	
MORRIS GOLUB	New York
GUY HOWARD GOODMAN	Maryland
Ph.B. 1911, Yale University	
ELMER JOSEPH GORN	District of Columbia
B.S. 1925, Yale University	
ROBERT VANRENSSELAER HAIG	District of Columbia
B.S. 1921, University of Maryland	
HARRY DUREMUS HILL	District of Columbia
RALPH HOSKINS HUDSON	District of Columbia
Graduate, U. S. Naval Academy, 1922	
(With Distinction)	
SIDNEY JAMES	New York
B.S. 1924, City College of New York	
(With Distinction)	
FRED THOMAS JARRETT	Pennsylvania
A.B. 1926, University of Michigan	
LADOW JOHNSTON	Ohio
A.B. 1925, University of Kansas	
BENJAMIN MORTON KAIL	Pennsylvania
CHARLES VAILL LAUGHLIN	Iowa
(With Distinction)	
THOMAS LINWOOD LAWRENCE	District of Columbia
G. EDWARD LEASURE	District of Columbia
B.S. in C.E. 1921, Catholic University of America	
NATHAN LEVIN	New Jersey
M.E. 1925, Lehigh University	
JOHN WILLIS LOVETT	District of Columbia
ROBERT DONLAN LYONS	District of Columbia
A.B. 1921, University of Wisconsin	
JACOB ARZO MANIAN	Massachusetts
B.S. 1924, Massachusetts Institute of Technology	
CHARLES FRANKLIN MARTIN	District of Columbia
B.S. 1910, College of Charleston	

IRVIN RICHARD McCLELLAN.....	Indiana
A.B. 1927, The George Washington University	
JOHN LIVINGSTON McCREA.....	Michigan
Graduate, U. S. Naval Academy, 1915	
JOHN OAKLEY McKNIGHT.....	New York
A.B. 1926, Yale University	
LAWRENCE RECORDS MICHENER.....	District of Columbia
JOSEPH D. MILENKY.....	Connecticut
A.B. 1927, The George Washington University	
JOHN DAMIAN MURPHY.....	Kansas
WILLIAM IRA MUSHAKE.....	District of Columbia
B.S. in C.E. 1923, The George Washington University	
PRESTON MATT NEILSON.....	Utah
B.S. 1925, Utah Agricultural College	
(With Distinction)	
LUIS PADILLA NERVO.....	Mexico
Bachillerato, Universidad Nacional de Mexico	
ARNOLD HARRY NEVIASER.....	District of Columbia
A.B. 1928, The George Washington University	
GEORGE WADDELL NEVILLE.....	Mississippi
A.B. 1923, University of the South	
NORMAN DOUGLAS PARKER, Jr.....	District of Columbia
E.E. 1925, Lehigh University	
CLIFFORD THOMAS PAY.....	South Dakota
RALPH GILBERT PENNOYER.....	District of Columbia
Graduate, U. S. Naval Academy, 1914	
MARIAN BROOKS PHELPS.....	Ohio
A.B. 1923, Oberlin College	
(With Distinction)	
ALLAN RUDOLPH PLUMLEY.....	Vermont
B.S. in Chem. 1923, Norwich University	
CLARENCE HENRY PORTER.....	District of Columbia
M.E. 1925, Lehigh University	
COOPER BURNETT RHODES.....	District of Columbia
A.B. 1925, Dartmouth College	
THEODORE SAKS.....	District of Columbia
HERMAN JAY SHUEY.....	Pennsylvania
A.B. 1917, Dickinson College	
SEPTIMUS BONHAM SIGHTLER, Jr.....	Maryland
A.B. 1926, Virginia Military Institute	
GEORGE H. STRICKLAND.....	District of Columbia
GILBERT PLYMPTON TARLETON.....	New York
EDGAR KIRBY THOMPSON.....	South Carolina
A.B. 1925, The Citadel	
FRANCIS JOSEPH TOWLES.....	South Carolina
RICHARD LASKEY UNDERWOOD.....	District of Columbia
WESTON VERNON, Jr.....	Utah
B.S. 1925, Utah Agricultural College	
CHARLES LEWIS WALKER.....	District of Columbia
CHARLES ALLEN WARD.....	Tennessee
B.S. in C.E. 1912, University of Tennessee	
WILLIAM HENDERSON WATTS.....	Georgia
Ph.B. 1926, Emory University	
KNUT MAGNUS WEFALD.....	Minnesota
A.B. 1923, St. Olaf College	
GEORGE EUSTACE WEIGLE.....	Indiana
HERMON JOSEPH WELLS.....	District of Columbia
A.B. 1916, University of Utah	
CHARLES HILTON WHITING.....	South Dakota
IRVING BERNARD YOCHELSON.....	District of Columbia
(With Distinction)	
WALTER H. ZEYDEL.....	District of Columbia
B.C.S. 1918, New York University	
October 9, 1929	
WILBUR NORMAN BAUGHMAN.....	Florida
B.S. 1926, University of Pennsylvania	
VANCE BRAND.....	Ohio
HAROLD STEPHEN BLACKMAN.....	Missouri
A.B. 1922, Missouri State Teachers College	
HENRY EUGENE BRYAN.....	Ohio
ANDRE VICTOR CHERBONNIER.....	Maryland
Graduate, 1921, U. S. Naval Academy	

PHILIP JAMES COCHRAN.....	West Virginia
A.B. 1922, West Virginia University	
MAURICE AUGUSTUS CREWS.....	District of Columbia
A.B. 1926, The George Washington University	
CLARENCE CLARKE DAVISON.....	New Jersey
MARK FIDAL ESCH.....	Wisconsin
A.B. 1926, Hamilton College	
EDWIN RALPH GROTON.....	Maryland
A.B. 1925, Western Maryland College	
SHERMAN RUSSELL HILL.....	South Dakota
LAWRENCE A. KNAPP.....	South Dakota
A.B. 1925, Yankton College	
(With Distinction)	
CHARLES THEODORE LOPEMAN.....	Ohio
HOMER L. MCCORMICK.....	Oklahoma
ALFONSO EVERETTE MACINTYRE.....	North Carolina
PHILIP ALLEN MINNIS.....	Indiana
B.S. in M.E. 1925, Rose Polytechnic Institute	
EDWARD BENJAMIN PERRY.....	Wisconsin
CARROLL MORRIS REDFORD.....	Kentucky
LOUIS ROBERTSON.....	Maryland
GWYNN SANDERS.....	Ohio
RUPERT ALSTON SINSEL.....	West Virginia
EDGAR THOMPSON.....	South Carolina
B.S. 1891, Drury College	
M.S. 1895, Drury College	
A.M. 1897, Drury College	
M.D. 1893, St. Louis University	
JOHN GEOFFREY WILL.....	New York
IMOGEN WILLIFORD.....	Mississippi

February 22, 1930

CHARLES WADE BARRICK.....	Illinois
FAY LOUISE BENTLEY.....	Illinois
Ph.B. 1918, University of Chicago	
ERNEST DENNING CAVENAUGH.....	North Carolina
A.B. 1921, Duke University	
A.M. 1926, The George Washington University	
LEROY A. CROFTS.....	Wyoming
EARL CLINTON CROUTER.....	Wyoming
A.B. 1928, The George Washington University	
HAROLD OSBORNE FARMER.....	Illinois
RAYMOND MANDELL GROSSMAN.....	Illinois
ROGERS EDWARD HARRELL.....	District of Columbia
A.B. 1929, Wofford College	
LOUIS OGLE HODGES, JR.....	District of Columbia
LENA ROSE HYATT.....	District of Columbia
EDWARD CLAUDE JOHNSON.....	Virginia
A.B. 1923, William and Mary College	
HOWARD ALLEN KING.....	Indiana
A.B. 1927, Indiana University	
HAROLD MATTHEWS LAFONT.....	Missouri
SAMUEL LEVINE.....	District of Columbia
CHARLES EDWARD MAHONEY.....	Massachusetts
OTHO LARKIN ROGERS.....	Mississippi
A.B. 1927, The George Washington University	
EDWIN BRENTON SHAW.....	North Carolina
A.B. 1926, University of North Carolina	
RAYMOND CADE SURAN.....	Oklahoma
ALLEN MUNSON TONKIN.....	Oklahoma
A.B. 1926, University of Oklahoma	
WILLIAM JAMES WADE.....	Illinois
JOSEPH G. WHITEHOUSE.....	New Mexico
THOMAS GEORGE WILLIS.....	Colorado
A.B. 1925, Colorado College	

MASTER OF LAWS

June 12, 1929

HOWARD DODDS HARRIS.....	Ohio
LL.B. 1926, The George Washington University	
CHARLES BRIDGHAM HOSMER.....	District of Columbia
LL.B. 1911, University of Maine	

JAMES ROBERT KIRKLAND.....Delaware
 A.B. 1927, The George Washington University
 LL.B. 1928, The George Washington University
 ARDIS ADELA SMITH.....Iowa
 A.B. 1923, The George Washington University
 LL.B. 1927, The George Washington University
 JOHN PRESTON SWECKER.....District of Columbia
 LL.B. 1928, The George Washington University

October 9, 1929

VICTOR SYLVESTER MERESCH.....District of Columbia
 LL.B. 1923, Georgetown University
 A.B. 1925, The George Washington University

February 22, 1930

GEORGE RUSSELL CARLSON.....District of Columbia
 LL.B. 1924, DePaul University
 AARON LOUIS SHALOWITZ.....District of Columbia
 LL.B. 1926, Georgetown University

REGISTER OF STUDENTS

Names of students who have graduated are indicated by (*); those who have entered since January, 1930, by daggers (†); those who have withdrawn by (‡).

CANDIDATES FOR THE DEGREE OF MASTER OF LAWS

*Carlson, George Russell LL.B. 1924, DePaul University	D. C.	†Lowe, Frank Loper Graduate, 1914, U. S. Naval Academy; LL.B. 1925, The George Washington University	D. C.
†Crouter, Earl Clinton A.B. 1928, LL.B. 1929, The George Washington University	Wyo.	Reagle, Hilda Ruth A.B. 1925, LL.B. 1927, The George Washington University	D. C.
†Dinwoodey, Charles Deann A.B. 1925, University of Utah; LL.B. 1929, The George Washington University	Idaho	†Segal, Paul Moses A.B. 1920, Columbia University; LL.B. 1922, University of Denver	Colo.
†Bolan, John Joseph A.B. 1923, Princeton University; LL.M. 1928, The George Washington University	D. C.	*Shalowitz, Aaron Louis LL.B. 1926, Georgetown University	Md.
Harden, Fred Geer A.B. 1907; A.M. 1908, University of Nebraska; LL.B. 1919, The George Washington University	Nebr.	†Sightler, Septimus Bonham A.B. 1926, Virginia Military Institute; LL.B. 1929, The George Washington University	Md.
†Knauss, Harrison Edward Graduate, 1908, U. S. Naval Academy; LL.B. 1926, The George Washington University	D. C.	Tillema, John Albert A.B. 1914, Hope College; A.M. 1917, University of Michigan; Ph.D. 1924, Washington University; LL.B. 1928, The George Washington University	D. C.
†Lichauro, Marcial Primitivo B.S. 1923, LL.B. 1926, Harvard University	P. I.		

CANDIDATES FOR THE DEGREE OF BACHELOR OF LAWS

THIRD YEAR

Albrecht, Karl J. B.S. 1925, University of Minnesota	Minn.	Bradley, William Cheney Brill, Isadore Britt, James Edward B.S. in M. E. 1924, North Carolina State College of Agriculture and Engineering	Ohio D. C. N. C.
Allshouse, David Samuel Amiss, Bernard LaSalle Aronoff, Julius A.B. 1928, The George Washington University	Pa. Va. D. C.	Brookley, Zelpha Catherine A.B. 1916, Miami University	Ohio
Bailey, Thomas Jennings, Jr. A.B. 1926, Princeton University	D. C.	Browne, James Keith A.B. 1925, State University of Montana	Mont.
Bangert, Harold Wallace Barley, Frank J. Barnes, Maurice Rannels B.S. 1924, University of Utah	N. Dak. Ill. Utah	Burton, Lawton Camp, Thomas Leo A.B. 1925, Oglethorpe University	Okla. Ga.
Barnes, Wilbur James Mechanical Engineer, 1915, Cornell University	Md.	Campbell, Marion A.B. 1928, The George Washington University	D. C.
*Barrick, Charles Wade Bassler, William Sidney A.B. 1923, The George Washington University	Ill. D. C.	Casteel, Elizabeth Gall *Cavanaugh, Ernest Denning A.B. 1921, Duke University; A.M. 1926, The George Washington University	D. C. N. C.
*Bentley, Fay Louise Ph.B. 1918, University of Chicago	Ill.	Churchwell, William Henry Cohen, Raymond W. B.E. in E.E. 1926, Johns Hopkins University	Mont. Md.
Biebel, Lawrence B. B.S. in E.E. 1927, University of Pittsburgh	Pa.	Conner, Norman Hampton B.S. 1924, University of Virginia	D. C.
Box, John Calvin, Jr. A.B. 1928, The George Washington University	Tex.		

Cotton, Sara Camblos	D. C.	Keegin, Stafford Warwick	D. C.
Cox, Elizabeth M.	D. C.	A.B. 1924, Dartmouth College	
*Crofts, Leroy Arthur	Wyo.	King, Angus Stanley	Va.
Cross, John Walker	Kans.	B.S. 1926, College of William	
*Crouter, Earl Clinton	Wyo.	and Mary	
A.B. 1928, The George Wash-		*King, Howard Allen	Ind.
ington University		A.B. 1927, Indiana University	
Curtis, Donald	Mass.	Kitchens, Wade Hampton, Jr.	Ark.
Graduate, 1918, U. S. Naval		A.B. 1927, University of Ar-	
Academy		kansas	
Dent, George Brewer	Nebr.	Klein, Ellis	Va.
Dickinson, L. Call	Iowa	B.S. 1928, University of Rich-	
Dodd, Harold	N. Y.	mond	
Graduate, 1912, U. S. Naval		Kreek, Louis Francis	Mo.
Academy; M.S. 1924, Colum-		*LaFont, Harold Mathews	Mont.
bia University		Lamphere, Phineas Harold	
Dodds, Laurence Briggs	Colo.	B.S. in E.E. 1927, University	
B.S. 1925, University of Cali-		of Idaho	
fornia		Langshaw, Gertrude	Mich.
Earl, Marion Bradley	Nev.	Latimer, Julian Lane, Jr.	D. C.
B.S. 1922, University of Utah		A.B. 1927, Antioch College	
Eberly, Daniel Christian	D. C.	Lee, Robert Edward	D. C.
Edgerton, Justin Lincoln	Va.	LeRoy, Claude A.	N. Y.
A.B. 1929, The George Wash-		E.E. 1924, Cornell University	
ington University		*Levine, Samuel	D. C.
*Farmer, Harold Osborne	Ill.	Lindsay, Lowry	S. C.
Ferguson, Elbert Bradford	Miss.	A.B. 1927, Wofford College	
A.B. 1928, University of Mis-		Lockwood, Katherine Robb	Ohio
issippi		Loose, Park Hoffman	D. C.
Fessenden, John Stirling Spaulding	Ohio	A.B. 1927, Dickinson College	
A.B. 1926, Ohio Wesleyan Uni-		Lyman, Albert	Idaho
versity		*Mahoney, Charles E.	Conn.
Fichter, Ralph John	Ind.	Maunship, Winfield Scott	
Freehair, Melvin	Utah	A.B. 1886, Wesleyan Univer-	
B.S. 1925, University of Utah		sity; B.D. 1889, Yale Univer-	
Futterer, Charles	D. C.	sity; Ph.D. 1891, Yale Univer-	
Gamble, John Donald	D. C.	sity	Va.
Giese, Oscar William	Fla.	Marshall Elliott DeJarnett	Iowa
Gilbert, Morgan MacMurrough	D. C.	Maxwell, Alan Chase	
A.B. 1927, The George Wash-		A.B. 1927, University of Iowa	Ind.
ington University		Mendenhall, Paul	D. C.
Ginberg, Louis	D. C.	Merritt, Ella Arvilla	
Grossberg, Solomon	D. C.	A.B. 1903, M.A. 1905, The	
*Grossman, Raymond Mandell	Ill.	George Washington Univer-	
Hall, Clyde Webster	Ind.	sity	D. C.
B.S. in M.E. 1925, Purdue		Milwee, R. Frank	D. C.
University		Monk, George Edward	
†Hall, Liston Fleming	Ala.	A.B. 1928, The George Wash-	
†Harper, Hoyt Benjamin	Ill.	ington University	Md.
*Harrell, Rogers Edward	S. C.	Muir, Joseph Johnstone	W. Va.
†Hang, Richard	N. Y.	McCoy, Jess James	D. C.
A.B. 1923, Cornell University		McEldowney, Grace Cornelia	
Hayes, Jack	D. C.	A.B. 1918, Smith College	Ky.
A.B. 1926, The George Wash-		Noble, Moss	
ington University		A.B. 1927, Berea College	Ill.
*Hodges, Louis Ogle	D. C.	O'Brien, Ruth	
Holland, Mary Josephine	Mass.	B.Sc. 1914, M.A. 1915, Univer-	
A.B. 1922, Tufts College		sity of Nebraska	N. Y.
Houghton, Joseph York	Mass.	O'Connor, Joseph Louis	
B.S. 1926, Massachusetts Insti-		A.B. 1926, The George Wash-	
tute of Technology		ington University	Mo.
Hufford, Harold Emery	Ind.	Oelschlager, William E.	Utah
*Hyatt, Lena Rose	D. C.	†Osmond, Alfred Wendell	D. C.
Ingle, Albert Laurens	Miss.	Parry, Edmund Hurlburt, Jr.	
A. B. 1928, The George Wash-		A.B. 1926, Harvard University	D. C.
ington University		Peck, Philip Van Wageningen	
Jansen, Elsie Bradford	D. C.	A.B. 1927, University of Penn-	
A.B. 1927, Wellesley College		sylvania	N. Y.
Johnson, Albert Kimball	Vt.	Pisarra, Angelo Marion	
B.S. 1927, University of Ver-		Chemical Engineer, 1926, Reuss-	
mont		eler Polytechnic Institute	Va.
*Johnson, Edward Claude	Va.	Pollard, Charles Phillips	
A.B. 1924, College of William		B.S. 1925, College of William	
and Mary		and Mary	

†Prevost, Marcel Mallet A.B. 1927, The George Wash- ington University	D. C.	Titcomb, Oliver Stanley	Mass.
Rapp, Leslie Manfred	Iowa	*Tonkin, Allen Munson	Okla.
Reed, Albert C. B.S. 1922, University of Dela- ware	D. C.	A.B. 1926, University of Okla- homa	
Reed, John Robert A.B. 1928, The George Wash- ington University	Md.	Torrey, Morgan Caywood	D. C.
Reese, Roy Dahlquist	Utah	Turnbull, John Gordon	Pa.
Reichmann, Owen G. B.S. 1924, University of Utah	Utah	B.A. 1926, Hamilton College	
Riley, Edwin Archer		Uhler, Theodore Clay	D. C.
Robertson, James Louis	Mo.	B.S. in Economics, 1917, Uni- versity of Pennsylvania	
*Rogers, Otho Larkin A.B. 1928, The George Wash- ington University	Idaho	Vandegrift, William Addison	Md.
Rollins, Milton	Miss.	*Wade, William James	Ill.
Romney, Junius Stowell	N. Y.	Wainwright, Mildred Rowena	Ill.
Sakis, George Panagiotou	Utah	Warnick, Patrick Jennings	W. Va.
Shanner, Charles Thomas A.B. 1929, The George Wash- ington University	D. C.	A.B. 1927, University of Ken- tucky	
*Shaw, Edwin Brenton A.B. 1926, University of North Carolina	D. C.	Watson, Kenneth Nicoll	D. C.
Sheldon, Clifford Arthur		A.B. 1928, The George Wash- ington University	
Shenker, William Scheinbaum	N. Y.	Weise, F. Roe	Iowa
A.B. 1929, University of Oregon	Utah	A.B. 1929, State University of Iowa	
Smith, Allan Edward Graduate, 1915, U. S. Naval Academy	D. C.	†Wheaton, Clare Alan	D. C.
Speer, Lurken	Iowa	White, Maude Ellen	Ohio
Stanford, Joel Gibson E.M. 1925, Colorado School of Mines	Ore.	*Whitehouse, Joseph George	N. Mex.
†Steenrod, Virginia Ruth		Whitmer, Robert Rudolf	Pa.
Stukes, James Edward	Tex.	B.S. 1926, Washington and Jefferson College	
Stukes, Lionel Chalmers	N. Y.	Williams, Victor Francis	Me.
Summers, Lionel Morgan B.S. 1927, Princeton University		A.B. 1927, Bowdoin College	
*Suran, Raymond Cade	D. C.	*Willis, Thomas George	Colo.
Terrell, Richard Alfred		A.B. 1925, Colorado College	
Thompson, Samuel Craig A.B. 1916, Miami University, Oxford, Ohio	Okla.	Wilson, Gordon Kase	Pa.
	D. C.	A.B. 1926, The George Wash- ington University	
	Ohio	Wobensmith, Zachary Taylor II	Pa.
		B.S. in M.E. 1927, University of Pennsylvania	
		Woodruff, Ralph Waldo	Pa.
		A.B. 1920, A.M. 1921, Susque- hanna University	
		Wright, Lawrence Carter	Miss.
		B.A. 1927, University of Mis- sissippi	
		Wrightson, James Owens, Jr.	D. C.
		A.B. 1923, Dickinson College	

SECOND YEAR

Allen, Philip Harper A.B. 1923, West Texas State Teacher's College; M.S. 1926, State University of Iowa	Tex.	†Bartach, Henry Guerdum	D. C.
Anding, Henry Moore		Bassett, John Earl	D. C.
Andrus, Lucian Miller B.S. 1924, Michigan Agricul- tural College	Iowa	Bays, William Webb	D. C.
Asmuth, Minnie Louise	D. C.	A.B. 1904, Washington and Lee University	
Baer, Louis Henry Ch.E. 1927, Rensselaer Poly- technic Institute	N. Y.	Beardsley, Charles Harrison	Mich.
Baker, Ralph Samuel A.B. 1928, University of Dela- ware	Del.	B.S. in Eng. 1926, University o Michigan	
Baldwin, Joseph Addison A.B. 1919, Albion College	Mich.	Beasley, Albert Egrett	Ala.
Baldwin, Joseph Lyle A.B. 1928, Roanoke College	Va.	Beclar, Donald Casper	Ore.
Bellinger, Willis Jerome Ph.B. 1923, Yale University	D. C.	A.B. 1928, University of Oregon	
Barrow, Wylie Winfield B.S. 1926, Roanoke College	D. C.	Berry, Charles Oscar	D. C.
		Bishop, Harold Albert	Ill.
		A.B. 1926, Bradley Polytechnic Institute	
		Bohn, Theodore Roosevelt	Utah
		B.S. 1928, University of Utah	
		†Boone, Paul	Fla.
		A.B. 1921, Vanderbilt Univer- sity	
		Bowen, Ollie James	Ky.
		A.B. 1929, University of Ken- tucky	

Boyd, Helen Marie A.B. 1927, The University of Wisconsin	D. C.	Dickerson, Francis Arthur B.S. in E.E. 1918, Pennsylvania State College	Pa.
Boyer, James Barnes B.S. in E.E. 1928, The Pennsylvania State College	D. C.	Dorsey, Harryman A.B. 1929, The George Washington University	D. C.
Bradley, James Blake Brookhart, Smith W., Jr. A.B. 1929, The George Washington University	D. C. Iowa	Dugger, Ralph Loring B.S. 1926, University of Illinois	Ill.
Brown, Lucy Williams Brown, Mary Agnes A.B. 1924, The George Washington University	D. C. N. H.	Duncan, Hearst Randolph †Dunnington, Frank Patterson, Jr. †Dyas, Richard Campbell A.B. 1929, University of Illinois	Iowa Md. Ill.
Brown, Robert Washington A.B. 1916, University of Arkansas	Ark.	Earnest, James Murvin B.S. 1927, Alabama Polytechnic Institute	D. C.
Buchler, Milton B.S. in M.E. 1925, University of Michigan	D. C.	Edwards, Malcolm Melbourne A.B. 1926, Wabash College	Ind.
Bulman, Joseph Butte, Woodfin L. A.B. 1927, University of Texas Caldwell, Arthur Brann A.B. 1929, University of Arkansas	D. C. D. C. Ark.	Ehrmantraut, Catherine Ada Elder, Clarence May Elliott, John Carl Epstein, Reuben B.S. 1926, College of the City of New York	D. C. Va. Ga. N. Y.
†Cameron, Edwin John B.S. 1920, Massachusetts Institute of Technology; Ph.D. 1927, The George Washington University	D. C.	Falls, John Rankin A.B. 1923, Davidson College	N. C.
Campbell, Alexander Phillips Campbell, Colin Graduate, 1917, U. S. Naval Academy	Pa. Va.	Fenander, Edmund Albert B.S. 1926, University of California	Calif.
Cantrell, Walter Thurman B.E.E. 1916, University of Arkansas	W. Va.	Ferguson, Milton Carr A.B. 1924, West Virginia University	W. Va.
Caplan, Max Carpenter, Samuel Raymond Carton, John Hazelton A.B. 1923, Antioch College	D. C. Utah Mich.	Flack, Murray Marion A.B. 1927, The George Washington University	D. C.
Cawood, R. Hamilton A.B. 1926, Pomona College	Okla.	Fleming, William Wright Flournoy, William Walton A.B. 1923, University of Florida	D. C. Fla.
Christopher, Clyde Burroughs Christopherson, Charles A. A.B. 1929, University of South Dakota	D. C. Md.	Foster, Henry Lockwood Fowler, Robert Edward E.E. 1926, Cornell University	D. C. N. Y.
†Claggett, Charles William Clapper, Emory Walling Clark, Chester Ray A.B. 1923, Kentucky Wesleyan College	Mich. S. Dak. Md. Pa.	Frazier, Dean Edward Freehof, Hyman Bennett B.S. in C.E. 1927, The George Washington University	Mo. D. C.
Clayton, Harry Webb, Jr. Cluster, Loren Lee Coatsworth, John Wallace A.B. 1923, Dakota Wesleyan University	Mich. S. Dak. Md. Pa.	Friedman, Melvin Hillard B.S. in E.E. 1928, The George Washington University	D. C.
Collins, Stanley Newcomb A.B. 1925, Bowdoin College	Md.	Frierson, Charles Davis, Jr. A.B. 1929, University of Arkansas	Ark.
Conradis, Albert Earl A.B. 1923, Cornell University; M.B.A. 1926, University of Pennsylvania	D. C.	Frishie, Karl Friedlin A.B. 1929, The George Washington University	N. J.
Coulston, Clemency King Coulter, Eliot Brewster Litt. B. 1914, Princeton University; A.M. 1915, Harvard University	Mass.	Gable, Raymond Edgar Gala, Julian Rodriguez Gasch, Oliver Herman Gates, Eliot Young A.B. 1927, University of Utah	Pa. P. I. Va. Utah
Cox, John William A.B. 1927, Rice Institute	D. C.	Gates, Lawrence Merle Geniesse, Eugene William B.Sc.E. 1920, M.S. 1924, University of Michigan	Pa. D. C.
Crigler, Thomas Botts, Jr. Crum, Harry Watson B.S. 1924, Princeton University	D. C. D. C.	Gibson, Lloyd Camden B.S. 1917, West Virginia University	Tex.
Cunningham, John, Jr.	Tex. Ind. Pa. Iowa	Glover, George Francis Goldman, Joseph Gott, Mildred Seymour A.B. 1928, Trinity College Greenbaum, Herman †Griffith, George Oscar A.B. 1922, West Virginia University	D. C. D. C. D. C. Del. W. Va.
		Grubb, Katherine Mary A.B. 1928, Smith College	Ala.

Grutzik, Frank Edward	Wis.	Karr, Day Payne	Wash.
Hale, Elbert Overholt	W. Va.	A.B. 1929, University of Wash- ington	
Hanley, James Martin, Jr.	N. Dak.	Keiper, Francis Pitman	N. Y.
A.B. 1928, Union College		A.B. 1927, and E.E. 1928, Cor- nell University	
Hannah, Paul Francis	D. C.	Keitt, William Lawrence	Tex.
B.S. 1927, Dartmouth College		A.B. 1926, University of Texas	
Hardy, Karl Jack	Utah	Keough, Paul Hamilton	D. C.
A.B. 1927, University of Utah		A.B. 1929, The George Wash- ington University	
Hatch, Douglas Lorenzo	Nev.	King, Charles Leonard	Mo.
Hathaway, Carson Christal	Mo.	Kirk, Charles Roger	Ohio
A.B. 1916, Park College; A.M. 1926, The George Washing- ton University		A.B. 1929, The George Wash- ington University	
Hearn, Wilfred Asquith	Md.	Kirkham, Francis Robinson	Utah
Heath, Dudley Everson	D. C.	Klatzkin, Morris Aaron	D. C.
B.Sc. in E.E. 1926, Rutgers College		A.B. 1929, The George Wash- ington University	
Hedrick, Anna Fancher		Knighton, Joseph Wilson	Md.
A.B. 1921, Vassar College; A.M. 1926, The George Washing- ton University		B.S. 1917, St. John's College	
Highsmith, Jasper Habersham	Ga.	Kulp, Howard Gilbert, Jr.	N. J.
Hill, William Sasser, Jr.	D. C.	A.B. 1929, The George Wash- ington University	
A.B. 1927, University of Mary- land		Lackmann, Luella Irene	D. C.
Hittson, Harker Henry	Calif.	A.B. 1919, Cornell University	
B.S. 1926, University of Illinois		Langford, George Frank	N. Y.
Hoffman, James Thomas	Pa.	M.E. 1927, Stevens Institute of Technology	
B.S. in E.E. 1926, University of Pittsburgh		LeGates, Eber Thomson	Del.
Hollett, George Lyon	Ill.	B.S. in E.E. 1928, University of Delaware	
A.B. 1909, Yale University		Leighey, Robert A.	Ohio
Holther, David Kay	Utah	Levin, Leon	N. J.
Hoover, Charles Jackson	Mo.	A.B. 1928, Lehigh University	
Horwitz, Jean Himmelfarb	D. C.	*Lewis, Raymond Daniel	D. C.
A.B. 1924, The George Wash- ington University		Graduate, 1923, U. S. Naval Academy	
Houser, Harold Alexander	D. C.	*Littlehales, George Reber	D. C.
Graduate, 1921, U. S. Naval Academy		B.S. 1923, Princeton University	
Howard, Andrew	Mo.	Longyear, Robert Dudley	D. C.
A.B. 1928, Drury College		A.B. 1918, Harvard College	
Hunt, Margaret Clarke	D. C.	Luce, Clifton Hadley	D. C.
A.B. 1929, The George Wash- ington University		Lyons, J. Leonard	Ga.
Hunter, Rollins Ankeny	Iowa	A.B. 1925, Emory University	
*Hahler, William Russell	Pa.	Manian, Joseph Charles	D. C.
B.S. 1921, Pennsylvania State College		B.S. 1926, Massachusetts In- stitute of Technology	
Jackson, Charles Horatio, Jr.	Tex.	Markey, Thomas Sylvester	Ind.
Jackson, John Wingfield	D. C.	A.B. 1929, University of Notre Dame	
B.S. 1928, University of Penn- sylvania		Mermelstein, Milton Emanuel	N. J.
Jamison, William Zimmerman	D. C.	Mong, Clair Burket	Pa.
Johnson, Ervin George	Calif.	Morris, John Carless	N. Y.
B.S. 1927, University of Cali- fornia		E.E. 1926, Cornell University	
Johnston, Everett Dale	Ohio	Morris, Rayson Pasco	Idaho
A.B. 1927, The George Wash- ington University		B.S. in E.E. 1928, University of Idaho	
Joslin, Hiram Millard	Iowa	Morse, Excellenza Leah	Vt.
A.B. 1922, Coe College		A.B. 1920, University of Ver- mont; B.S. 1922, M.S. 1923, Massachusetts Institute of Technology	
Joyce, Ralph Fairbanks	Pa.	Murphy, Howard Meredith	D. C.
A.B. 1927, Allegheny College		Murphy, James Russell	Kans.
Joynt, John Howard	Va.	McCandless, David Alexander, Jr.	Ky.
B.S. in E.E. 1925, Carnegie In- stitute of Technology; M.S. in E.E. 1928, Massachusetts Institute of Technology		McKay, David Lawrence	Utah
Kampe, Albert Henry	Mich.	A.B. 1926, University of Utah	
B.S. in C.E. 1924, The George Washington University		Nattkemper, Louis David	Ind.
		Neff, Paul Raymond	Ohio
		B.Sc. 1923, Heidelberg College; A.M. 1927, The George Wash- ington University	
		Nevius, Richard David	D. C.

Newbold, Robert Gulde A.B. 1929, University of Notre Dame	Ind.	Ryan, Thomas John Graduate, 1920, U. S. Naval Academy	D. C.
Nicholson, Donald Lon A.B. 1928, Bucknell University	Pa.	Sample, Lloyd Erle, Jr. A.B. 1928, West Virginia University	W. Va.
Norvell, George Eldon A.B. 1929, The University of Oklahoma	Okla.	†Sanborn, John Albert B.S. in M.E. 1926, University of Maine	D. C.
Novak, Richard Lester A.B. 1929, University of Notre Dame	D. C.	Schrader, Milward Cecil Schramm, Frederic Bernhard B.S. in E.E. 1925, Case School of Applied Science	Kans. D. C.
Nystrom, Harold Charles A.B. 1926, University of South Dakota	S. Dak.	Schulz, Hugo Otto M.E. 1927, Stevens Institute of Technology	N. J.
Olson, Frank Montague Orbison, Robert Henry Parker, Albert Marcus B.S. in M.E. 1928, University of Maine	Utah Ind. N. J.	Schuttler, Norman Nedwin B.S. in E.E. 1927, University of Idaho	Idaho
Parker, James Clarence, Jr. Parsons, William Herbert Patterson, Donald Gillis *Patterson, Kirby Williams A.B. 1928, Drury College	D. C. D. C. N. H. Mo.	Seaton, Warren A.B. 1926, State University of Iowa; A.M. 1927, Harvard University	Iowa
Payne, William Burbridge Pedersen, Marcus Jeppesen Perry, Albert Walter Pettry, Wirt Hayes Philbrick, Howard Reginald B.S. 1928, Oregon State Agricultural College	W. Va. D. C. Fla. W. Va. Wash.	Seers, Joseph Deodat Shapiro, Arthur B.Eng. 1921, Johns Hopkins University Shapiro, Jack Charles Shaw, Richard Waring Shelton, Charles Latimer B.S. 1928, University of Maryland	Mass. Md. D. C. Kans. Md.
Poteet, John Wilmer, Jr. B.E. 1926, Johns Hopkins University	Md.	Simmons, Marcellus Culmer A.B. 1923, The George Washington University	Utah
Powers, Irwin Richard Prangley, Arthur George, Jr. B.S. 1925, University of Maryland	Mass. D. C.	†Simons, Macon McCorkle Sipkin, George Smith, Frank DeLarme B.S. in M.E. 1925, Harvard University	N. C. N. Y. D. C.
Prentiss, Helen Louise A.B. 1929, The George Washington University	D. C.	Smith, James Leo B.S. in C.E. 1917, Iowa State College	D. C.
Prince, Darius Finley A.B. 1925, Maryville College	Tenn.	Smith, Jesse Robinson Snider, Richard Lealie Snow, William James, Jr. Spaulding, Augusta deLaguna A.B. 1912, A.M. 1913, University of California	Utah Calif. Utah D. C.
Proctor, Robert Finis A.B. 1927, Georgetown College, Georgetown, Ky.	Ala.	Stearns, Robert Maynard Stephens, Thomas B.S. 1928, University of Maryland	Iowa D. C.
Quijano, Juan R. Raley, Irving James Reed, William Ingo, Jr. Rees, William Chevers Reynolds, James David Roach, Jessie Dean A.B. 1924, The George Washington University	P. I. D. C. D. C. D. C. Nebr. Ill.	†Stickel, Carl Albert B.M.E. 1927, Ohio State University	Ohio
Robertson, Robert Hayes A.B. 1927, Wabash College	Ill.	Stone, Charles Parker, Jr. B.A. 1923, Yale University	D. C.
†Robinson, Lewis B.S. 1925, Union College	N. Y.	Tashof, Leon Anthony A.B. 1929, The George Washington University	D. C.
Robinson, William Junius †Rosenburg, Everett Reynolds E.E. 1924, Rensselaer Polytechnic Institute	D. C. N. Y.	Taylor, Alfred Lindsay E.E. 1923, Rensselaer Polytechnic Institute	N. Y.
Rowe, Lionel Lewis Graduate, 1914, U. S. Naval Academy	Va.	Tendler, Max Melville A.B. 1929, The George Washington University	D. C.
Rowland, Clifford Carlyle A.B. 1924, University of North Carolina	N. C.	Terry, George McGrew Thompson, Irvin Stewart B.S. in Chem. Eng. 1927, The George Washington University	Okla. D. C.
Rupert, J. Allison A.B. 1927, Ohio State University	Pa.		
Russell, George Lucius Graduate, 1921, U. S. Naval Academy	Vt.		

Toye, Francis Gerald B.S. in E.E. 1927, Clarkson College of Technology	Wash.	Wick, John Borden Wight, Donald Miller M.E. 1923, Lehigh University	N. J. D. C.
Tullar, Irving Meredith A.B. 1915, Albion College; A.M. 1916, Columbia University	Ill.	Wilkinson, Thomas Nesbitt, Jr. Williams, Robert Manning	N. Mex. Okla.
Tweedale, Ralph Landon Van Dyke, Lawrence Adelbert, Jr. Van Meter, Kenny Chambers, Jr. Vernon, Clinton DeWitt Vesey, J. Howard W.	N. Y. Utah W. Va. Utah Ohio	Willis, Herbert B.S. 1925, College of Wooster Willner, Warren Hall A.B. 1923, The George Wash- ington University	Ind. D. C.
von Dachenhausen, George A. A.B. 1929, The George Wash- ington University	D. C.	Wilson, J. Russell B.S. 1926, Alabama Polytechnic Institute; M.S. 1927, The George Washington Univer- sity	Ala.
Walker, Walter Kennedy Wallenstein, Sidney B.S. in Chem. Eng. 1928, Case School of Applied Science	Utah Ohio	Wilson, Lee Roy †Winningstad, Olaf Phillips	Ky. Calif.
Walz, August Frederick A.B. 1923, University of Dela- ware	Del.	Wise, William Harvey Woodcock, Virgil Eldon B.S. 1927, Oregon State Agricul- tural College	D. C. D. C.
Ward, Lewis Hall Warren, Robert Sumner Weeks, Charles Everett West, George Chester A.B. 1928, Colby College	D. C. La. S. Dak. Me	Woolf, Edward Magruder Yaffe, Simon E.E. 1925, Rensselaer Polytech- nic Institute	D. C. N. Y.
Westby, George Newton B.S. in E.E. 1927, University of Washington	Wash.	Young, Truman Richards	Utah

FIRST YEAR

Adair, Edwin Ross A.B. 1928, Hillsdale College	Ind.	Black, Henry Franklin B.S. 1923, Norwich University	Vt.
Allen, Edward Walter, Jr. E.E. 1923, University of Vir- ginia	Va.	Blair, John Alexander M.E. 1923, Cornell University	Okla. D. C.
Allison, Andrew Vangiol Amerman, George Monroe A.B. 1929, Dickinson College	D. C. Pa.	Blore, Stephen Walter B.S. in E.E. 1928, University of Idaho	
Anderson, Park Findley Armstrong, Robert Harman †Arnold, Prescott Niles A.B. 1927, Harvard University	Nebr. W. Va. Mass.	Botsford, Norman Lippincott Boykin, Robert Lanham †Bradley, Louis Francis, Jr. Branson, Joseph Holmes, Jr. A.B. 1927, Harvard University	Fla. Ind. D. C. D. C.
†Ayres, John Gillet Baldwin, Alfred Carleton, Jr. Ball, Norman Tower A.B. 1928, The University of the City of Toledo	Va. Conn. Ohio	Brauner, John J. Brooks, Albert Edwin, Jr. Brown, F. Isabelle A.B. 1925, The George Wash- ington University	N. Y. Tex. D. C.
†Barbee, Carl Joseph B.S. in M.E. 1929, Purdue Uni- versity	D. C.	†Brownell, Eugene Bronson A.B. 1929, University of Wash- ington	Wash.
†Barlow, Lowell Walker A.B. 1929, University of Utah	Utah	Brownton, Wesley Frederick †Brush, Donald Porter Graduate, 1929, U. S. Naval Academy	Ore. Wyo.
Barnes, Stuart Knowlton A.B. 1929, University of Utah	D. C.	Cady, John Parmelee Graduate, 1922, United States Naval Academy	D. C.
Beck, Flossie Arizona Becker, William Strayer A.B. 1923, The George Wash- ington University	Ill. Ohio	Callahan, Arthur Aloysius, Jr. B.S. 1926, St. John's College †Callahan, Leonard Davis Campbell, Charles Stewart B.S. in E.E. 1923, University of Colorado	Md. Ind. W. Va.
†Benedict, Ronald Henry Benson, Serge Nelson B.S. 1928, Utah State Agricul- tural College	Mich. Utah	Campbell, George Ball B.S. 1923, The George Wash- ington University	D. C.
Berg, Moncure Burke B.S. 1927, Princeton University	D. C.	Candland, Harold Arthur Cannon, Edward Lee A.B. 1926, Duke University	Utah Va.
Bergert, Earl Melvin B.S. in M.E. 1928, Carnegie Institute of Technology	Ohio	Cannon, Preston L. Cavanaugh, Harold Rupert A.B. 1929, Duke University	Calif. N. Car.
Berry, Spencer Sherman Biesemeier, Harold Graduate, 1918, United States Naval Academy	Va. Calif.		
Billings, Thomas Elton	Utah		

Chambers, Robert Husted A.B. 1922, Harvard University	D. C.	†Elgin, Arthur Carpenter A.B. 1923, St. John's College	Md.
Chapman, Leland Leon B.S. in Ch.E. 1923, University of Idaho	Idaho	Ellis, William Leigh A.B. 1929, Hillsdale College	Mich.
†Chesaldine, James Corbin Christensen, David Harold, Jr. A.B. 1928, University of Utah	D. C.	Elvove, Kady Enyart, Byron K.	W. Va. Ky.
Churchwell, Dorothy Burns A.B. 1929, The George Washington University	Utah	Evans, Norman Harold Evans, Robert Lee	Ind. Ohio
Clapham, Wentworth Beggs B.S. in C.E. 1929, The George Washington University	D. C.	B.S. in M.E. 1929, University of Maryland	D. C.
†Clayton, Albert Waters †Coe, Bryan A.B. 1923, The George Washington University	N. Y.	†Feinberg, Joseph Thomas Feinstein, Louise Frances	Pa. D. C.
†Cohen, Bernard Colladay, David Clement A.B. 1929, Princeton University	D. C.	Ch.E. 1929, The Rensselaer Polytechnic Institute	Md.
Conger, Bernard Wallace Conger, George William Coulston, Jessamine A.B. 1928, Bucknell University; M.A. 1929, University of Chicago	Va.	Finch, Eleanor Harrison A.B. 1929, Trinity College	Pa.
Courtney, William Hasell A.B. 1927, Vanderbilt University; A.M. 1928, Stanford University	D. C.	Fitzsimmons, Richard Raymond B.S. 1924, Carnegie Institute of Technology	Pa.
†Cowley, Charles Gloyd B.S. 1923, Utah State Agricultural College	D. C.	†Fleck, James Hering Flemming, Arthur Sherwood	N. Y.
†Cowley, Moses Foss B.S. 1919, Utah Agricultural College	La.	A.B. 1927, A.M. Ohio Wesleyan University	D. C.
Daisley, Gordon Walford Graduate, 1923, U. S. Naval Academy	D. C.	Fletcher, William A.B. 1929, University of Maryland	N. Y.
Daniel, Ernest Humphrey, Jr. A.B. 1929, Virginia Military Institute	La.	Folkers, Kern Ellis B.S. 1927, Dartmouth College	N. Dak. D. C.
†Darling, Ralph Edwin Davis, Arthur Marshall †Davis, Thomas Joel, Jr. deSouza, Daniel Arthur	Utah	A.B. 1927, E.E. 1923, Leland Stanford University	Conn. Mass.
Dickerman, George Lyman B.S. 1927, Middlebury College	Utah	Freyrer, Henry Martin Friberg, Carl Joseph	Okla. Iowa
Dietz, John Edward Douglas, Richard Alonzo Drowns, Allen Crawford Drummond, Folsom E. B.Ch.Eng. 1924, Ohio State University	Md.	†Fuller, Francis Edward A.B. 1923, Norwich University	D. C. D. C. Ga. Ill. Ohio Wis.
Dubin, Bernard Dudley, Donald Goodnow A.B. 1926, Swarthmore College	D. C.	Garber, Martin Dudley Gates, Robert McConnell	Mass.
†Dunn, William McKee A.B. 1911, Yale University	N. Y.	Gatti, Richard Stephen Gertler, Louis	Conn.
Dutton, Lillian Bertha A.B. 1926, The George Washington University	Ariz.	Giguilliat, John McIver Gillespie, Frank Smith	Okla.
†Dye, Eldon Hobson Eager, Thomas Hayward Edlowitz, Ellis Edwards, Ivan Reo B.S. in M.E. 1929, The University of Texas	Ga. Va. Conn.	Glick, Oscar Billy †Goetz, Charles Moran B.S. in E.E. 1929, University of Colorado	Iowa Mass. Mass.
Edwards, William Griffith, Jr. B.S. in E.E. 1927, University of Colorado	D. C.	Goode, Donald Jack Goodridge, Lawrence Mason	D. C. Pa. D. C. Pa.
Eldridge, John Dupree, Jr. A.B. 1929, University of Arkansas	Va.	Graves, James Millar B.S. 1927, A.M. 1928, Harvard University	D. C. Pa. D. C. Pa.
	N. J.	Gray, Robert Meade Green, Bert Miller Greenberg, Michael Harrison Greene, Orville Nathaniel A.B. 1929, Lehigh University	Utah Ark. W. Va.
	D. C.	†Grimsdell, Frank Albert Grossman, Pauline †Grove, George Bowers B.S. 1923, Roanoke College	Iowa
	Va.	Grove, Roy A.B. 1923, State University of Iowa	Va.
	Utah	Gulick, Mary Smith A.B. 1929, Randolph-Macon Woman's College	Ill.
	Wash.	Gullett, James Gordon Halpern, Isadore Harry	D. C. N. H.
	D. C.	Hammar, Ralph B.S. and M.S. in E.E. 1927, The Massachusetts Institute of Technology	D. C.
	Tex.	Hammerness, Clarence Rudolph	

†Hammond, Benjamin Miles B.S. 1922, University of California	D. C.	Knight, Frederick Hawley B.S. in E.E. 1928, Worcester Polytechnic Institute	Vt.
Harris, George Alexander	Del.	Lacey, Trammell Calhoun	Tex.
Harris, Ralph Percival A.B. 1928, The George Washington University	N. Y.	A.B. 1927, University of Texas	Fla.
Hecker, George Theodore	W. Va.	Latimer, Cecil B.S. in E.E. 1925, Georgia School of Technology	D. C.
A.B. 1927, The George Washington University	Calif.	Lawton, Alethea Helen	Colo.
Helmke, Margaret	Calif.	Layton, Philip Raymond	Va.
Hendricks, John Everett B.S. in E.E. 1929, The George Washington University	Calif.	Ledman, Hornbaker Bradford	D. C.
†Henninger, Pern Emerson	Pa.	Lee, Edward Myers B.S. 1922, College of William and Mary; B.S. 1925, Massachusetts Institute of Technology	
Herrick, Philip Field A.B. 1929, Williams College	D. C.	†Leigh, Alfred Day	Va.
High, Edward Louis B.S. in C.E. 1929, University of Michigan	Pa.	LeRoy, John Pound	D. C.
Hillis, Haston Franklin	Ind.	Lindquist, Willis John	Minn.
†Hitch, Robert Agricola B.S. 1929, University of Maryland	D. C.	Listerman, Wayne Lieberth A.B. 1928, Miami University	Ky.
Hoage, Alden Warne A.B. 1928, University of Maryland	D. C.	Logsdon, DeEarle Monroe	Ind.
Hodges, Harris Hamlin Ph.B. 1929, Brown University	Md.	Lowdon, Graham Norris B.S. 1929 Washington and Lee University	D. C.
Holden, William Sutherland	Idaho	MacDonald, Thomas Ross B.S. 1929, The Massachusetts Institute of Technology	Mass.
Hooff, Wilson Lee	D. C.	Macgill, Winfield Scott, Jr. B.S. 1928, University of Virginia	Md.
Hoover, Elmer Earl	Kans.	Mackey, Harry S. E.E. 1929, Cornell University	N. Y.
Hoover, Margaret	Md.	†Major, Ruth Fales	D. C.
†Hopkins, David William A.B. 1920, University of Iowa; A.M. 1928, University of Missouri	Mo.	Mallonnee, Lester Earl	Md.
Horsley, Arthur Samuel	Utah	Mantell, Leon Michael	N. Y.
Howlett, Thomas Denton A.B. 1929, Kalamazoo College	Mich.	Martin, Henry Stanley	Idaho
I'Anson, Nannie Armistead	D. C.	Mather, Fred Elbert B. S. 1895, University of Illinois	Ill.
Jackson, Arthur Rulon	Utah	Matson, Frederic Church E.E. 1929, Lehigh University	D. C.
Jarman, Junius Thomas B.E. 1927, University of Mississippi	Miss.	Matteson, Frederick Lewis, Jr. B. S. in C.E. 1925, Rose Polytechnic Institute	Ind.
†Jesse, Robert Wade	W. Va.	Mattson, Carvel B.S. 1928, University of Utah	Utah
Johansen, Chester Eugene A.B. 1929, Macalester College	Minn.	Melville, H. Arlo B.S. 1926, University of North Dakota	N. Dak.
Johnson, George Edmund	D. C.	†Meyer, Ralph Griffith	Ill.
Johnson, Robert Lee Graduate, 1922, U. S. Naval Academy	Ga.	†Miller, Bruce Ervin	Ohio
Just, Charles Hercus B.S. 1929, University of Maryland	Md.	Miller, Florian George B.S. in M.E. 1929, University of Michigan	Pa.
Justus, Chester Lee B.S. in E.E. 1928, University of Idaho	Idaho	Miller, James Harold A.B. 1929, Juniata College	Pa.
Kalk, Clarence Ambrose E.E. 1928, Rensselaer Polytechnic Institute	N. Y.	Miller, Jay Howard	N. J.
Kentley, George Harold Ph.B. 1927, Dickinson College	Pa.	†Milmore, Oswald Herman B.S. 1929, University of California	Calif.
Keller, William Davis A.B. 1929, University of Southern California	Calif.	Mitchell, Olin Verna B.S. in E.E. 1929, Carnegie Institute of Technology	Ohio
Kellogg, Clyde Elmer	D. C.	*Mitchell, Peter Judson	Iowa
Kernan, Ruth Taylor A.B. 1929, The George Washington University	D. C.	Mitman, Harry Ammon Ch.E. 1924, Lehigh University	Pa.
Kimball, Arthur Alden	Mass.	†Morris, Henry McAllen A.B. 1923, Davidson College; A.M. 1929, The George Washington University	D. C.
Klempay, Francis Joseph B.S. 1929, Carnegie Institute of Technology	Ohio	Morris, Walter Newth	Pa.
Kivlatky, Boris Max	D. C.	Mulligan, Rex Phillip B.S. in C.E. 1929, The George Washington University	D. C.
		Murdock, Francis Joseph	Utah
		Murphy, Harold Warner	Ind.

†Muth, George Edward McClellan, Sidney A.B. 1927, University of Idaho McClelland, Casper Shepard McGann, Burton Allen A.B. 1929, The University of Maryland McGregor, Daniel P. K. McInnis, Marcellus B.S. 1928, University of Alabama *McIntyre, Reita Lyons A.B. 1928, The North Carolina College for Women *McKay, John Andrew †McKnight, Charles Maurice B.S. in M.E. 1929, Purdue University McNeill, George Hamilton A.B. 1929, Wake Forest College †Nash, Paul Revere B.S. in E.E. 1922, Massachusetts Institute of Technology Neilson, George D. B.S. 1928, Utah State Agricultural College †Newberry, Dolan M. Newlin, John Wigton Newlin, Theodore Frelinghuysen Newton, Edward Taylor B.S. in E.E. 1926, Georgia School of Technology Nolan, James Edward B.S. in E.E. 1926, Tufts College Nold, Marie Cuthbertson A.B. 1919, The George Washington University Nordlinger, Bernard Isaac A.B. 1929, The George Washington University Norris, Henry Gladden Norris, John Gilbert Norton, Francis Allen A.B. 1929, Ouachita College Norton, Percy Tennent A.B. 1928, The University of Texas †O'Brien, James Harold †Olson, Earl Stanley B.S. 1927, University of Washington †Olson, Mabel Evelyn A.B. 1929, The University of New Mexico †Page, William Tyler, Jr. A.B. 1930, University of Maryland †Papulias, George John Parrish, Eldon Maton Parsons, George Samuel, Jr. Parsons, Verna Lenore Patterson, George Daniel B.B.A. 1928, Emory University Pedersen, Lawrence B. A.B. 1926, Grinnell College Pellecchia, Pellegrina James *Perdue, Helen Newman A.B. 1926, Wesleyan College Peverill, William LeRoy B.S. in M.E. 1927, University of Maryland Phillips, Laurence Akers Phillips, Lucas Dellam Pisarra, Francis Joseph	D. C. Idaho Pa. D. C. Hawaii Ala. N. C. Iowa Okla. D. C. D. C. Utah Tex. Pa. Pa. Ga. Mass. Minn. D. C. La. D. C. Ark. Tex. Mont. Wash. N. Mex. Md. Ohio W. Va. Colo. D. C. Ala. Iowa N. J. Ga. D. C. D. C. Va. N. Y.	*Pool, John Cochran A.B. 1927, University of Delaware Powell, Harold Neally B.S. in C.E. 1929, University of Maine Proctor, Ralph Lowe A.B. 1927, Duke University Rabinowitz, Gilbert Randolph, Cary Jacquelin A.B. 1927, University of Virginia Rawalt, Luella Marguerite †Reardon, Donald Reinsmith, Harold George *Renshaw, Harry Noon A.B. 1928, University of Arizona Rice, Roland McLaren A.B. 1929, American University *Richardson, William Burton Richey, Robert Charles Riddle, David Lindsay Rinehart, Theodore A. †Roberts, Ralph S. Robertson, Donald Wagner B.S. in M.E. 1924, Case School of Applied Science Rodgers, George Christman B.S. 1929, Davis and Elkins College †Rohrer, Carl Pfeffer Rosenberry, Wellington Hendricks, Jr. A.B. 1929, Pennsylvania State College Rosenthal, Anne Henrietta *Rosenthal, Jacob A.B. 1928, A.M. 1929, The George Washington University Rosoff, Leo Rule, Raymond Ryerson, John Edward A.B. 1928, University of Maryland Ryhn, Arthur Marion Rypinski, Jacob Emanuel E.M. (Engineer of Mines) 1910, Columbia University †Saltzman, Frank Reno Schaeffer, Paul Eugene Schofer, Harry Nathaniel B.S. in C.E. 1929, The George Washington University Schofield, William Wilcox †Schwartz, Sam Scoredos, Crist G. A.B. 1925, The George Washington University Seegmiller, Keith Lorraine Seibold, Myron James B.S. in E.E. 1929, Carnegie Institute of Technology Sessions, DeForest Edwin †Shankland, Robert Sherwood B.S. 1929, Case School of Applied Science Sharp, Freeman Wilfred †Shelton, Frederick DeWitt A.B. 1916, Drury College Sherwood, William Earl B.S. in M.E. 1927, University of Kentucky Siler, Aldine Kieffer, Jr.	Del. Me. N. C. N. Y. Va. Tex. Mont. Pa. Ariz. Md. D. C. Ohio Kans. Okla. Utah Ohio W. Va. Va. N. Y. Mass. D. C. D. C. Minn. N. Y. D. C. W. Va. D. C. D. C. Conn. D. C. D. C. Pa. Utah Ohio D. C. Mo. Ky. Pa.
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†Sills, Stephen	D. C.	Tillotson, John Wallace	Ill.
Simms, George Dyson	Va.	Tomelden, Arturo Antonio	D. C.
A.B. 1929, The George Washington University		B.S. 1924, Catholic University	
Simon, Louis	N. Y.	Trilety, O. Edward	Nebr.
Simpson, Eugene Hassett	D. C.	A.B. 1928, The George Washington University	
B.S. 1925, University of California		Turkel, Harry Raymond	D. C.
Sitz, Walter Hoersch	Iowa	A.B. 1927, Stanford University;	
Graduate, 1916, U. S. Naval Academy;		A.M. 1928, Harvard University	
Smith, Lewis Mercer	D. C.	Turner, Bedford Hackett, Jr.	Md.
Ph.B. 1929, Yale University		†Turoff, Dora Miriam	D. C.
Smith, Ray Leonel	D. C.	A.B. 1929, The George Washington University	
B.S. in E.E. 1924, Kansas State Agricultural College; M.A. 1927, The George Washington University		Twining, Merrill Barber	D. C.
Smith, Reginald Frank	Pa.	Graduate, 1923, U. S. Naval Academy	
C.E. 1929, Lehigh University		Van Camp, Frederick William	S. Dak.
Snure, Anne	Md.	Van Houten, Scranton Coit	Ill.
A.B. 1928, The George Washington University		B.S. 1924, McKendree College	
†Snyder, Albert Ralph	D. C.	Veach, John Logan, Jr.	Ill.
Snyder, Henry Sol	D. C.	Vendel, John Robert	Ind.
Spangler, George Wilt	Pa.	B.S. in C.E. 1929, Rose Polytechnic Institute	
A.B. 1927, The George Washington University		Venezky, Julian	Md.
Spasoff, John	Calif.	*Volkert, Mona Henrietta	Wis.
B.S. in E.E. 1920, The George Washington University		Ph.B. 1926, University of Chicago	
Sterritt, John Calhoun	Pa.	Wallace, George Lloyd	D. C.
M.E. 1928, Cornell University		Graduate, 1923, U. S. Naval Academy	
Still, Samuel Hutchins, Jr.	S. C.	Wallace, Jesse Rink	Ill.
A.B. 1929, The Citadel		Graduate, 1922, U. S. Naval Academy	
Stover, John Lewis	Pa.	*Ward, Edward Joshua	D. C.
Strizak, Joseph Peter	Ind.	A.B. 1902, Hamilton College	
B.S. in E. E. 1928, Carnegie Institute of Technology		Weisbrod, William Gustavus	Wis.
Stull, Harold Webster	Pa.	Wilkins, Gordon Armstrong	Va.
A.B. 1928, The Pennsylvania State College		A.B. 1926, University of Richmond	
Styner, Truman Leonard	Idaho	Williams, Nelle Louzene	Mich.
B.S. in E.E. 1928, University of Idaho		*Windsor, Norma	D. C.
Sullivan, George David	N. Y.	A.B. 1929, The George Washington University	
Graduate 1927, U. S. Naval Academy		Windsor, Paulina	D. C.
Sumerhays, Joshua Bennion	Utah	Worsley, L. Elisha	N. C.
Summers, Frank Calhoun	Nebr.	Wylie, Ben Montgomery	Tex.
B.S. in C.E. 1929, The University of Nebraska		A.B. 1911, Southwestern University	
Swinburne, Arthur Francis	D. C.	Young, Ford Evans	Md.
Taylor, William Morris	Calif.	†Young, Walter Hopkins	D. C.
Thornton, Joseph Eugene	Nebr.	A.B. 1924, Ohio Wesleyan University	
Thulemeyer, Lawrence Carrington	Wyo.	Zangwill, Bernard Louis	D. C.
		B.S. in E.E. 1929, Massachusetts Institute of Technology	

UNCLASSIFIED STUDENTS

*Cabreza, Victor Zaide	P. I.	†Murphy, John Damian	D. C.
A.B. 1920, University of the Philippines; LL.B. 1927, National University (P.I.); M.S. 1929, Columbia University		LL.B. 1929, The George Washington University	
Connolly, William Frank	D. C.	*Parker, Henry Cole	D. C.
*Esch, Mark Fidal	Wis.	B.S. 1915, Kalamazoo College;	
A.B. 1926, Hamilton College		A.M. 1916, Ph.D. 1920, Clark University	
Falligant, Laura Louise	D. C.	Simmons, John Howland	Fla.
Farmer, Harold Osborne	Ill.	B.S. in E.E. Georgia Institute of Technology	
LL.B. 1929, The George Washington University			

SPECIAL STUDENTS

Atherholt, Gordon Meade	D. C.	*Miner, Charles Robert	Va.
*Chmillon, Otto H.	D. C.	Moriarty, George William	Mass.
Claffy, Thomas Hughes	D. C.	Murphy, Mariot Hudd	N. Mex.
†Cullen, Elizabeth	D. C.	Musgrave, Anne Sightler	Md.
*Deane, Sylvia	D. C.	Potter, Nelson Augustine	D. C.
Hall, Ernest E.	Mo.	*Rice, Claude Alvin	Ill.
Hall, John Emerson	N. Mex.	Riley, Harry Conrad	Md.
Kane, James Martin	N. Dak.	Turgeon, Edward Philip	R. I.
Landis, Aubrey William	Mo.		

SUMMARIES OF REGISTRATION

Candidates for degree of Bachelor of Laws:	
First year	331
Second year	258
Third year	152
Total	741
Candidates for degree of Master of Laws	13
Total	754
Unclassified students	8
Special students	18
	780
Counted twice	2
Net total, all students	778
Candidates for degrees who are college graduates	426
Percentage	54.4%

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	7	Nebraska	7
Arizona	2	Nevada	2
Arkansas	7	New Hampshire	3
California	13	New Jersey	11
Colorado	5	New Mexico	4
Connecticut	5	New York	35
Delaware	6	North Carolina	10
District of Columbia	226	North Dakota	5
Florida	7	Ohio	26
Georgia	11	Oklahoma	11
Idaho	11	Oregon	3
Illinois	27	Pennsylvania	44
Indiana	22	Rhode Island	1
Iowa	20	South Carolina	3
Kansas	6	South Dakota	5
Kentucky	7	Tennessee	1
Louisiana	4	Texas	14
Maine	3	Utah	33
Maryland	32	Vermont	5
Massachusetts	19	Virginia	31
Michigan	10	Washington	8
Minnesota	5	West Virginia	18
Mississippi	5	Wisconsin	4
Missouri	14	Wyoming	4
Montana	5	Hawaii	1
		Philippine Islands	4

GRADUATES OF COLLEGES

Alabama Polytechnic Institute	2	Juniata College	1
Alabama, University of	1	Kalamazoo College	1
Albion College	2	Kansas State Agricultural Col- lege	1
Allegheny College	1	Kentucky, University of	3
American University	1	Kentucky Wesleyan College	1
Antioch College	2	Lehigh University	6
Arizona, University of	1	Macalester College	1
Arkansas, University of	6	Maine, University of	3
Berea College	1	Maryland, University of	13
Bowdoin College	2	Maryville College	1
Bradley Polytechnic Institute	1	Massachusetts Institute of Tech- nology	11
Brown University	1	Miami University	3
Bucknell University	2	Michigan Agricultural College	1
California, University of	7	Michigan, University of	6
Carnegie Institute of Technology	7	Middlebury College	1
Case School of Applied Science	3	Minnesota, University of	1
Catholic University of America	1	Mississippi, University of	3
Citadel, The	1	Missouri, University of	1
Chicago, University of	3	Montana, State University of	1
Clarkson College of Technology	1	McKendree College	1
Coe College	1	Nebraska, University of	3
Colby College	1	New Mexico, University of	1
Colorado College	1	New York, College of the City of	1
Colorado School of Mines	1	North Carolina College for Women	1
Colorado, University of	3	North Carolina, University of	2
Columbia University	4	North Carolina State College of Agriculture and Engineering	1
Cornell University	11	North Dakota, University of	1
Dakota Wesleyan University	1	Norwich University	2
Dartmouth College	3	Notre Dame, University of	3
Davidson College	2	Oglethorpe University	1
Davis and Elkins College	1	Ohio State University	3
Delaware, University of	5	Ohio Wesleyan University	3
Dickinson College	4	Oklahoma, University of	2
Drury College	3	Oregon State Agricultural Col- lege	2
Duke University	4	Oregon, University of	1
Emory University	2	Ouachita College	1
Florida, University of	1	Park College	1
Georgetown College	1	Pennsylvania State College	5
George Washington University	72	Pennsylvania, University of	5
Georgia Institute of Technology	2	Pittsburgh, University of	2
Grinnell College	1	Pomona College	1
Hamilton College	2	Princeton University	7
Harvard University	11	Purdue University	3
Heidelberg College	1	Randolph-Macon Woman's Col- lege	1
Hillsdale College	2	Reed College	1
Hope College	1	Rensselaer Polytechnic Institute	7
Idaho, University of	8		
Illinois, University of	4		
Indiana, University of	1		
Iowa State College	1		
Iowa, State University of	6		
Johns Hopkins University	3		

Rice Institute	1	Virginia, University of	4
Richmond, University of	2	Wabash College	2
Roanoke College	3	Wake Forest College	1
Rose Polytechnic Institute	2	Washington University (St. Louis, Mo.)	1
Rutgers College	1	Washington, University of	4
St. John's College	3	Washington and Jefferson College	1
Smith College	2	Washington and Lee University	2
South Dakota, University of	2	Wellesley College	2
Southern California, University of	1	Wesleyan University	1
Southwestern University	1	West Texas State Teacher's College	1
Stanford University, Leland	3	West Virginia University	4
Stevens Institute of Technology	2	William and Mary, College of	4
Susquehanna University	1	Williams College	1
Swarthmore College	1	Wisconsin, University of	1
Texas, University of	5	Wofford College	1
Toledo, University of the City of	1	Wooster, College of	1
Trinity College	2	Wooster Polytechnic Institute	1
Tufts College	2	Yale University	6
Union College	2		
Utah, University of	13	Total	451
Utah, State Agricultural College of	4	Counted more than once	26
U. S. Naval Academy	21		
Vanderbilt University	2	Number of College Graduates	425
Vassar College	1	Number of Colleges represented	142
Vermont, University of	2		
Virginia Military Institute	2		